XR-3750/C350

SERVICE MANUAL

AEP Model
UK Model

Photo: XR-C350

Refer to RM-X2S/X3S SERVICE MANUAL (9-960-039-□□) issued previously for information of remote commander (RM-X2S) supplied with XR-C350.

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-52A-135

SPECIFICATIONS

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 20,000 Hz
Signal-to-noise ratio	58 dB (TYPE I) 61 dB (TYPE II, IV)

Tuner section

FM

Tuning range	87.5 – 108.0 MHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)
Harmonic distortion at 1 kHz	0.5 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz
Capture ratio	2 dB

MW/LW

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 281 kHz
Aerial terminal	External aerial connector
Intermediate frequency	10.71 MHz/450kHz
Sensitivity	MW: 30 µV LW: 50 µV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	35 W × 4 (at 4 ohms)

General

Outputs	Power aerial relay control lead/Power amplifier control lead (XR-C350)/Telephone mute control lead (XR-C350) Rear line out (1)
Tone controls	Bass ±8 dB at 100 Hz Treble ±8 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 188 × 58 × 181 mm (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 164 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Rotary remote RM-X2S (XR-C350)

Design and specifications are subject to change without notice.

FM/MW/LW CASSETTE CAR STEREO

MICROFILM

SONY®

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SERVICING NOTES

Flexible Circuit Board Repairing

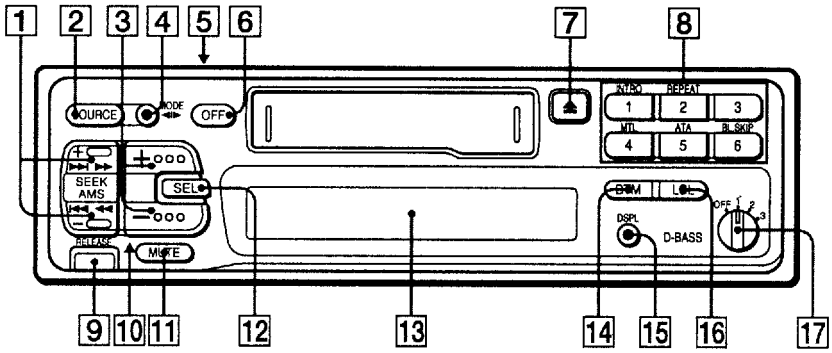
- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

This section is extracted from instruction manual.

Location of controls (XR-3750)



Refer to the pages for further details.

1 **SEEK/AMS button 5, 6, 7, 8**

2 **SOURCE button (TAPE/TUNER) 5, 7**

3 **⊕⊖ (volume/bass/treble/balance/ fader control) button 5, 8**

4 **MODE (◄I►) button**
During tuner reception:
BAND select 7

During tape playback:
Transport direction change 5

5 **POWER SELECT switch (located on the top of the unit)**
See "POWER SELECT Switch" in the Installation/Connections manual.

6 **OFF button 4, 5**

7 **⏏ (eject) button 5**

8 **During radio reception:**
Preset number buttons 7

During tape playback:
① **INTRO button 6**
② **REPEAT button 6**
④ **MTL (Metal) button 6**
⑤ **ATA (Automatic Tuner Activation) button 6**
⑥ **BL.SKIP (Blank Skip) button 6**

9 **RELEASE (front panel release) button 4, 10**

10 **Reset button (located on the front side of the unit hidden by the front panel)**
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.

11 **MUTE button 8**

12 **SEL (control mode select) button 5, 8, 9**

13 **Display window**

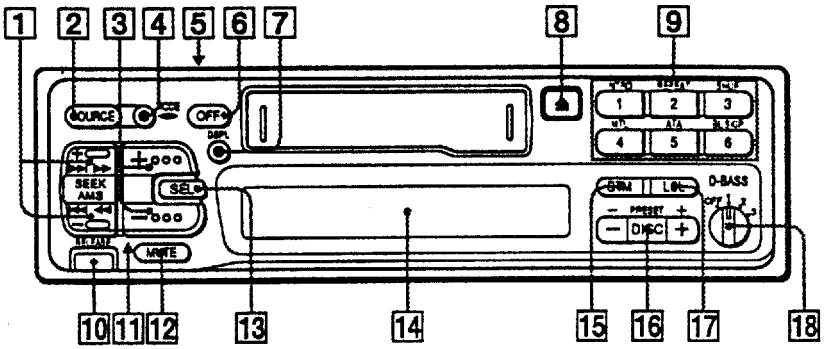
14 **BTM (Best tuning memory) button 7**

15 **DSPL (display mode change/time set) button 5, 6, 8**

16 **LCL button 8**

17 **D-BASS control 8**

Location of controls (XR-C350)



Refer to the pages for further details.

1 SEEK/AMS button 5, 6, 7, 8, 10, 11

2 SOURCE button (TAPE/TUNER/CD/MD) 5, 7, 10

3 ⊕⊖ (volume/bass/treble/balance/fader control) button 5, 9

4 MODE (◀I▶) button
During tuner reception:
BAND select 7

During tape playback:
Transport direction change 5

During CD/MD playback:
CD/MD Changer select 10

5 POWER SELECT switch (located on the top of the unit)
See "POWER SELECT Switch" in the Installation/Connections manual.

6 OFF button 4, 5

7 DSPL (display mode change/time set) button 5, 6, 8, 10

8 ⏏ (eject) button 5

9 During radio reception:
Preset number buttons 7

During tape/CD/MD playback:
① INTRO button 6, 11
② REPEAT button 6, 11
③ SHUF (Shuffle) button 11
④ MTL (Metal) button 6
⑤ ATA (Automatic Tuner Activation) button 6
⑥ BL.SKIP (Blank Skip) button 6

10 RELEASE (front panel release) button 4,13

11 Reset button (located on the front side of the unit hidden by the front panel)
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.

12 MUTE button 9

13 SEL (control mode select) button 5, 9, 10

14 Display window

15 BTM (Best tuning memory) button 7

16 PRESET/DISC button 7, 11
During tuner reception:
Preset stations 7

During CD/MD playback:
Disc change 11

17 LCL button 8

18 D-BASS control 9

Installation

Precautions

- Do not tamper with the four holes on the upper surface of the unit. They are used for tuner adjustments to be made only by service technicians.
- Choose the installation location carefully so that the unit will not hamper the driver during driving.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 20°.

How to Detach and Attach the Front Panel

Before installing the unit, detach the front panel.

To detach

Before detaching the front panel, be sure to press the OFF button first. Then press the RELEASE button to open up the front panel, and detach the panel by pulling it towards you as illustrated.

To attach

Align parts Ⓐ and Ⓑ, and push the front panel in until it clicks.

Mounting Example

Installation in the dashboard

Instalación

Precauciones

- No toque los cuatro orificios de la superficie superior de la unidad. Estos orificios son para ajustes del sintonizador que solamente deberán realizar técnicos de reparación.
- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a altas temperaturas, como a la luz solar directa o al aire de calefacción, o a polvo, suciedad, o vibraciones excesivas.
- Para realizar una instalación segura y firme, utilice solamente la ferretería de montaje suministrada.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 20°.

Forma de extraer e instalar el panel frontal

Antes de instalar la unidad, extraiga el panel frontal.

Para extraerlo

Antes de extraer el panel frontal, cerciórese de presionar la tecla OFF. Después presione la tecla RELEASE para abrir el panel frontal, y extraiga éste tirando de él hacia usted como se muestra en la ilustración.

Para instalarlo

Alinee las partes Ⓐ y Ⓑ, y presione el panel frontal hasta que chasquee.

Ejemplo de montaje

Instalación en el salpicadero

Montering

Säkerhetsföreskrifter

- Låt de fyra hålen på bilstereons ovansida vara. De är till för radiojusteringar som endast får utföras av fackkunniga tekniker.
- Var nog när du väljer var i bilen du monterar bilstereon, så att den inte sitter i vägen när du kör.
- Montera inte bilstereon där den utsätts för värme, t ex solsken eller varmluft, eller där den utsätts för damm, smuts och/eller vibrationer.
- Använd endast de medföljande monteringstillbehören för att vara säker på att bilstereon monteras på ett säkert och korrekt sätt.

Tillåten monteringsvinkel

Monteringsvinkeln får inte vara större än 20 grader.

Ta loss/fästa frontpanelen

Ta loss frontpanelen innan du monterar bilstereon.

Ta loss frontpanelen

Tryck på OFF för att slå av strömmen innan du tar loss frontpanelen. Tryck därefter på RELEASE för att öppna frontpanelen. Ta loss frontpanelen genom att dra den utåt enligt illustrationen nedan:

Fästa frontpanelen

Lägg Ⓐ och Ⓑ mot varandra, kant i kant, och tryck tills du hör ett klickljud.

Exempel på montering

Montera på instrumentbrädan

Instalação

Precauções

- Não altere indevidamente os quatro orifícios da superfície da parte superior do aparelho. Estes servem para regulações do sintonizador que devem ser efectuadas somente por técnicos qualificados.
- Escolha com cuidado um local apropriado para a montagem do aparelho, para que este não interfira com as manobras necessárias à condução do veículo.
- Evite instalar o aparelho onde possa estar sujeito a altas temperaturas, tais como em locais expostos directamente à luz do sol, ao ar quente dos aquecimentos, ou sujeitos a pó, sujidade ou vibração excessiva.
- Para efectuar uma instalação segura utilize unicamente o montagem fornecido .

Ajuste do ângulo de montagem

Ajuste o ângulo de montagem a menos de 20°.

Para retirar e colocar o painel frontal

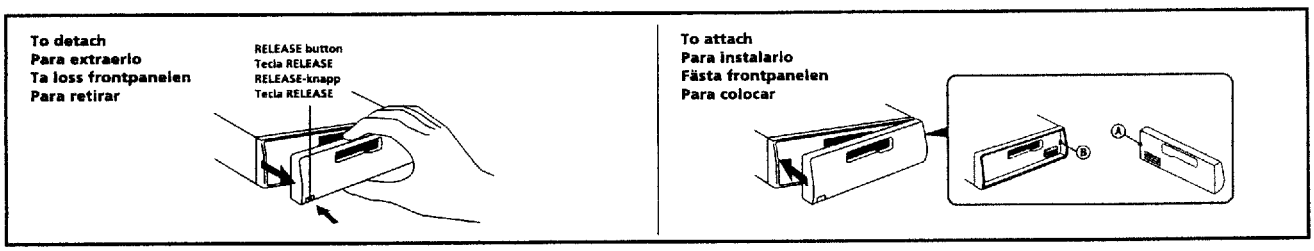
Retire o painel frontal antes de iniciar a instalação do aparelho.

Para retirar

Antes de retirar o painel frontal, carregue na tecla OFF. A seguir, carregue na tecla RELEASE para abrir o painel frontal e retire-o, puxando-o para fora como ilustrado.

Para colocar

Alinhe as partes Ⓐ e Ⓑ, e fixe o painel frontal pressionando-o até que encaixe.



Mounting Example

Installation in the dashboard

Ejemplo de montaje

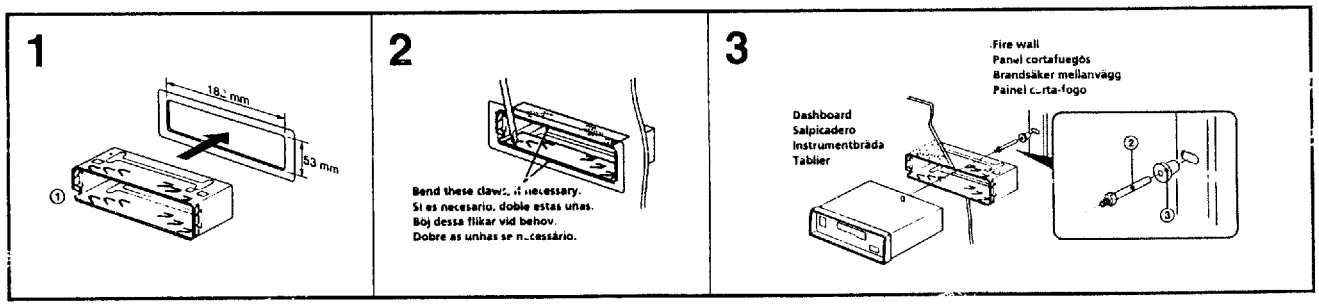
Instalación en el salpicadero

Exempel på montering

Montera på instrumentbrädan

Exemplo de montagem

Instalação no tablier



Note for Connecting

If there is alternator noise (a whining sound when raising engine speed), ground the master unit by connecting it to a metal point of the car with the supplied chassis ground cord ⑤. Connect the ground cord to the master unit with part ② as shown in the illustration.

Nota sobre conexión

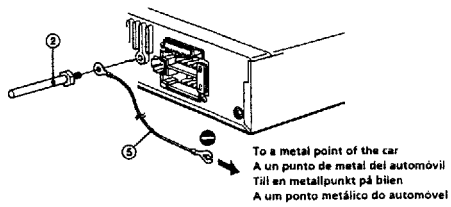
Si el alternador emite ruido (un zumbido al aumentar la velocidad del motor), conecte la unida principal a tierra y, para ello, enchúfela a un punto de metal del automóvil mediante el cable de toma a tierra del chasis ⑤ suministrado. Conecte el cable de toma a tierra a la unidad principal con la pieza ② como se muestra en la ilustración.

Angående anslutningar

Om motorn ger störningar (ett vinande ljud när du gasar) bör du jorda huvudenheten till en metallpunkt på bilen med den medföljande chassijordkabeln ⑤. Anslut jordkabeln till huvudenheten med jordkontakten ② enligt bilden.

Nota sobre a ligação

Se o alterandor começar a produzir ruídos (um som agudo durante o aumento da velocidade do motor), ligue a unidade principal à terra. Para tal, ligue o cabo de terra do chassi ⑤ fornecido a um ponto metálico do automóvel. Ligue o cabo de ligação à terra ao aparelho principal ②, como se mostra na ilustração.


②
⑤
To a metal point of the car
A un punto de metal del automóvil
Till en metallpunkt på bilen
A um ponto metálico do automóvel

Connections

Caution

- This unit is designed for negative ground 12 V DC operation only.
- Connect the unit to the power supply of the car after all other connections are complete.
- **Run all ground wires to a common ground point.**
- Connect pin 4 or pin 7of the unit's power connector to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in series with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual components' fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.

Conexiones

Precauciones

- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Conecte la unidad al suministro de alimentación del automóvil una vez realizadas todas las conexiones.
- **Conecte todos los conductores de puesta a masa a un punto común.**
- Conecte el terminal 4 o 7 del conector de alimentación de la unidad a un circuito libre del automóvil con una potencia nominal superior a la del fusible de la unidad. Si conecta ésta en serie con otros componentes estéreo, la potencia nominal del circuito del automóvil al que se conecte debe ser superior a la suma de la de los fusibles de los componentes individuales. Si no hay ningún circuito en el automóvil con una potencia nominal tan alta como la del fusible de la unidad, conecte ésta directamente a la batería. Si no hay circuitos en el automóvil disponibles para conectar esta unidad, conéctela a un circuito del automóvil con una potencia nominal superior a la del fusible de la unidad de forma que si dicho fusible se funde no se vean afectados otros circuitos.

Anslutning

Sökerhetsföreskrifter

- Denna bilstereo är endast avsedd för anslutning till ett negativt jordat, 12 V bilbatteri.
- Anslut enheten till strömförsörjningen sedan alla andra anslutningar gjorts.
- **Dra samtliga jordledningar till en och samma jordningspunkt.**
- Anslut pol 4 eller pol 7 i enhetens strömanslutning till en fri krets med högre märkdata än enheten. Om du ansluter denna enhet i serie med andra stereokomponenter måste den strömkrets de är anslutna till ha högre märkdata än summan av de enskilda komponenternas märkdata. Om det inte finns någon strömkrets med lika höga märkdata som enhetens ansluter du enheten direkt till bilbatteriet. Om det inte finns några bilkretsar tillgängliga för enheten ansluter du den till en bilkrets med högre märkdata än enheten så att inga andra kretsar bryts om enhetens säkring skulle gå.

Connexions

Advertência

- Este aparelho foi projectado para funcionar somente com corrente contínua de 12 V com massa negativa.
- Ligue o aparelho à fonte de alimentação do automóvel depois de completar todas as outras ligações.
- **Ligue todos os fios de terra num ponto de massa comum.**
- Ligue o pino 4 ou o pino 7 do conector de alimentação do aparelho a um circuito livre do automóvel com uma tensão superior à do fusível do aparelho. Se ligar este aparelho em série com outros componentes estéreo, o circuito do automóvel a que estiverem ligados deve ter uma tensão superior à da soma dos fusíveis dos componentes individuais. Se nenhum circuito do automóvel tiver uma tensão tão elevada como a do fusível do aparelho, ligue-o directamente à bateria. Se nenhum circuito do automóvel estiver disponível para ligação deste aparelho, ligue-o a um circuito do automóvel que tenha uma tensão superior à do fusível do aparelho de tal modo que, se o fusível rebentar, nenhum outro circuito seja afectado.

If Your Car has No Accessory Position on the Ignition Key Switch — POWER SELECT Switch

The illumination on the front panel is factory set to be turned on even while the unit is not in use. However, this setting may cause some car battery wear if **your car has no accessory position on the ignition key** switch. To avoid this battery wear, **set the POWER SELECT switch located on the top of the unit to the ⓑ position, then press the reset button.** The illumination is reset to stay off while the unit is not in use.

Note

The caution alarm for the front panel is not activated when the POWER SELECT switch is set to the ⓑ position.

Si el automóvil no dispone de posición para accesorios en la llave de encendido

— Selector POWER SELECT

La iluminación del panel frontal ha sido ajustada en fábrica para que esté activada aunque la unidad no se encuentre en reproducción. Sin embargo, este ajuste puede provocar cierta descarga de la batería del automóvil **si éste no dispone de posición para accesorios en la llave de encendido.** Para evitar esto, **ponga el selector POWER SELECT, situado en la base de la unidad, en la posición ⓑ y, después, presione el botón de reposición.** La iluminación estará desactivada cuando la unidad no se encuentre en reproducción.

Nota

La alarma de precaución del panel frontal no se activará cuando el selector POWER SELECT se encuentre en la posición ⓑ.

Montera bilstereon i en bil vars tändlås inte har något strömläge

— Omkopplaren POWER SELECT

Innan bilstereon levererades från fabriken ställdes belysningen i teckenfönstret in så att den lyser också när bilstereon inte används. Detta kan emellertid orsaka urladdning av batteriet när du använder bilstereon **i en bil, vars tändlås saknar läget ACC (strömläge). Skjut omkopplaren POWER SELECT på bilstereons undersida till läge ⓑ, och tryck sedan på återställningsknappen** för att undvika att bilbatteriet laddas ur. Nu lyser inte längre belysningen i teckenfönstret när bilstereon inte används.

Observera

Varningssignalen, som varnar om du inte har tagit loss frontpanelen, ljuder inte när omkopplaren POWER SELECT står i läge ⓑ.

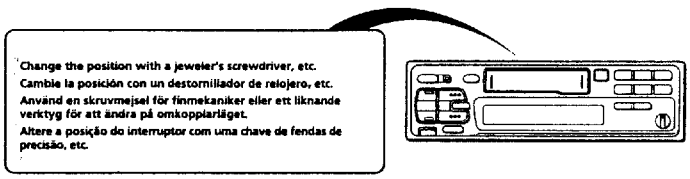
Se o seu automóvel não estiver equipado com uma chave de ignição com posição acessórios

— Interruptor POWER SELECT

A iluminação do painel frontal é regulada na fábrica para se manter acesa, mesmo quando o aparelho não estiver ligado. No entanto, esta regulação pode provocar a descarga da bateria **se o aparelho for utilizado em automóveis sem chave de ignição com posição acessórios.** Para evitar a descarga da bateria, **regule o interruptor POWER SELECT, situado na base do aparelho, para a posição ⓑ. Em seguida, carregue no botão de reinicialização.** A iluminação é regulada para ficar apagada enquanto o aparelho estiver desligado.

Nota

O alarme de advertência do painel frontal não é activado quando o interruptor POWER SELECT estiver regulado para a posição ⓑ.


Change the position with a jeweler's screwdriver, etc.
Cambie la posición con un destornillador de relojero, etc.
Använd en skruvmejsel för finmekaniker eller ett liknande verktyg för att ändra på omkopplarläget.
Altere a posição do interruptor com uma chave de fendas de precisão, etc.

Reset Button

When the installation and connections are over, be sure to press the reset button with a ballpoint pen etc.

Botón de reposición

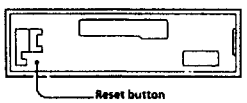
Cuando finalice la instalación y las conexiones, cerciórese de presionar el botón de reposición con un bolígrafo, etc.

Nollställningsknappen

Kom ihåg att använda en penna eller något annat spetsigt föremål för att trycka på nollställningsknappen när anslutningen och monteringen är klar.

Botão de reinicialização

Quando terminar a instalação e as ligações, não se esqueça de carregar no botão de reinicialização com a ponta de uma caneta, etc.



Note on the control function

Pin 5 of the unit's power connector supplies + 12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation) Function.

Memory hold connection

When pin 4 or pin 7 of the unit's power connector is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Notes on speaker connection

- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.*

Nota sobre la función de control

El terminal 5 del conector de alimentación de la unidad suministra + 12 V CC al activar el sintonizador o la función ATA (Activación automática del sintonizador).

Conexión para protección de la memoria

Si se conecta el terminal 4 o 7 del conector de alimentación de la unidad, el circuito de memoria siempre recibirá alimentación aunque desactive la llave de encendido.

Notas sobre la conexión de los altavoces

- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 ohmios, y con la potencia máxima admisible adecuada, ya que de lo contrario podría dañarlos.*
- *No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz izquierdo a los del derecho.*
- *No intente conectar los altavoces en paralelo.*
- *No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.*

Att observera angående kontrollfunktionen

Pol 5 i enhetens strömanslutning ger + 12 V likström när du slår på radion eller aktiverar någon av funktionerna ATA (Automatic Tuner Activation).

Anslutning för minnesstöd

När pol 4 eller pol 7 i enhetens strömanslutning är ansluten förses minneskretsen alltid med ström, även när tändningen slås av.

Att observera angående högtalarnas anslutning

- *Slå av bilstereon innan du ansluter högtalarna.*
- *Anslut endast högtalare, vars impedans varierar från 4 till 8 ohm och som har tillräcklig effekthanteringskapacitet för att skydda högtalarna mot skador.*
- *Anslut inte något av högtalaruttagen till bilens chassi. Anslut inte heller uttagen på höger högtalare till uttagen på vänster högtalare.*
- *Anslut inte högtalarna parallellt.*
- *Anslut inte aktiva högtalare (med inbyggda slutsteg) till bilstereons högtalaruttag, eftersom de kan skada de aktiva högtalarna. Var noga med att bara ansluta passiva högtalare till dessa uttag.*

Nota sobre a função do controlo

O pino 5 do conector de alimentação do aparelho fornece + 12 V CC quando se liga o sintonizador ou se activa a função ATA (Activação automática do sintonizador).

Ligação para alimentação contínua da memória

Quando está ligado o pino 4 ou o pino 7 do conector de alimentação do aparelho, o circuito da memória recebe sempre alimentação, mesmo que não rode a chave da ignição.

Notas sobre a ligação dos altifalantes

- *Antes de ligar os altifalantes, desligue o aparelho.*
- *Utilize altifalantes com impedância de 4 a 8 ohm, e com capacidade admissível de potência adequada. Caso contrário, os altifalantes poderão sofrer avarias.*
- *Não ligue os terminais do sistema de altifalantes ao chassis do automóvel, e não ligue os terminais do altifalante direito aos terminais do altifalante esquerdo.*
- *Não tente ligar os altifalantes em paralelo.*
- *Não ligue nenhum sistema de altifalantes activos (com amplificadores incorporados) aos terminais dos altifalantes do aparelho. Caso o faça, poderá danificar o sistema de altifalantes activos. Portanto, não se esqueça de ligar altifalantes passivos a estes terminais.*

Power Connection

Power connectors may vary depending on the car. Check your car's auxiliary power connector diagram to make sure the connections match correctly. There are two basic types. You may need to switch the positions of the jump connector. Before connecting the unit the car's power supply, be sure to match the position of the jump connector to the car's pin order. If the auxiliary power connector of your car does not match the connector on the unit, use the supplied connectors ⑦ and ⑧. If you have any questions and problems connecting your unit that are not covered in this manual, please consult the car dealer.

WARNING

Jump connector

Check the pin position of the auxiliary power connector of the car with the table on the right. If positions 4 and 7 are reversed, remove the jump connector and shift it to the rightmost position as shown in the illustration on the left.

Diagrama de conexión de alimentación

Los conectores de alimentación pueden variar en función del automóvil. Consulte el diagrama del conector de alimentación auxiliar del automóvil para comprobar que las conexiones coinciden correctamente. Existen dos tipos básicos. Es posible que sea necesario cambiar las posiciones del conector de empalme. Antes de conectar la unidad al suministro de alimentación del automóvil, asegúrese de que la posición del conector de empalme coincide con el orden de terminales del dicho automóvil. Si el conector de alimentación auxiliar del automóvil no coincide con el de la unidad, emplee los conectores ⑦ y ⑧ suministrados. Si desea realizar alguna consulta o solucionar algún problema referentes a la conexión de la unidad que no aparezcan en este manual, póngase en contacto con el concesionario automovilístico.

ADVERTENCIA

Conector de empalme

Compruebe la posición de terminal del conector de alimentación auxiliar del automóvil con la tabla de la derecha. Si las posiciones 4 y 7 se invierten, retire el conector de empalme y desplácelo hasta la posición del extremo derecho como se muestra en la ilustración de la izquierda.

Strömanslutningsschema

Strömanslutningarna kan variera beroende på vilken bil du har. Kontrollera bilens diagram över hjälpströmanslutningar för att kontrollera att anslutningarna passar ihop. Det finns två huvudtyper. Du kan behöva ändra positionerna på överkopplingen. Innan du ansluter enheten till bilens strömförsörjning bör du kontrollera att överkopplingens placering överensstämmer med bilens polordning. Om din bils hjälpströmanslutningar inte överenstämmer med anslutningen på enheten använder du de medföljande kontaktdonen ⑦ och ⑧. Om du har några frågor eller problem när det gäller anslutningen av enheten som inte tas upp i denna bruksanvisning kan du kontakta bilåterförsäljaren.

VARNING

Överkoppling

Jämför bilens hjälpströmanslutning med tabellen till höger. Om positionerna 4 och 7 är omkastade tar du bort överkopplingen och flyttar den till positionen längst till höger, se bilden till vänster.

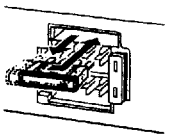
Diagrama de ligação de corrente

Os conectores de alimentação podem variar de automóvel para automóvel. Verifique o diagrama do conector de alimentação auxiliar do seu automóvel, para ter a certeza de que a correspondência das ligações está correcta. Há dois tipos básicos. Pode ter que trocar as posições do conector jump. Antes de ligar o aparelho à fonte de alimentação do automóvel, não se esqueça de fazer a correspondência entre a posição do conector jump e a ordem dos pinos do automóvel. Se o conector de alimentação auxiliar do seu automóvel não corresponder ao conector do aparelho, utilize os conectores ⑦ e ⑧ fornecidos. Se tiver dúvidas ou problemas ao ligar o aparelho que não estejam referidos neste manual, consulte o vendedor do automóvel.

AVISO

Conector jump

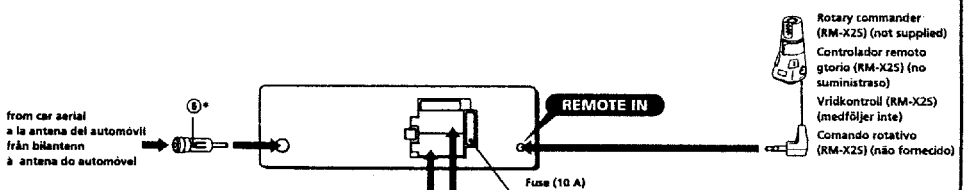
Verifique a posição dos pinos do conector de alimentação auxiliar do automóvel na tabela à direita. Se as posições 4 e 7 estiverem invertidas, remova o conector jump e mude-o para a posição mais à direita, tal como se mostra na ilustração à esquerda.



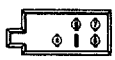
Connections of Example / Ejemplo de conexiones / Anslutningarna enligt exemplet / Exemplo de ligações

(XR-3750)

- ***Note for the aerial connecting***
  If your car aerial is an ISO (International Organization for Standardization) type, use the supplied adapter ⑧ to connect it.
- ***Nota sobre la conexión de la antena***
  Si la antena del automóvil es del tipo ISO (International Organization for Standardization), emplee el adaptador suministrado para ⑧ conectarla.
- ***Angående antennanslutning***
  Om motorantennen är av ISO-typ (International Organization for Standardization), använder du medföljande adapter ⑧ för att ansluta den.
- ***Nota referente à ligação da antena***
  Se a antena do automóvel for uma antena de tipo ISO (International Organization for Standardization), utilize o adaptador fornecido ⑧ para fazer a ligação respectiva.

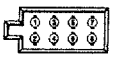


from the car's power connector
del conector de alimentación del automóvil
från bilens strömanslutning
a partir do conector de alimentação do automóvel



Pin Pin Pol Pino	Function Función Funktion Função	Pin Pin Pol Pino	Function Función Funktion Função
4	continuous power supply suministro de alimentación continua kontinuerlig strömförsörjning alimentação ininterrupta de corrente	7	switched power supply suministro de alimentación switchad strömförsörjning fornecimento comutado de corrente
5	power antenna control antena eléctrica elektrisk seriell antena eléctrica	8	ground toma de tierra jord Terra

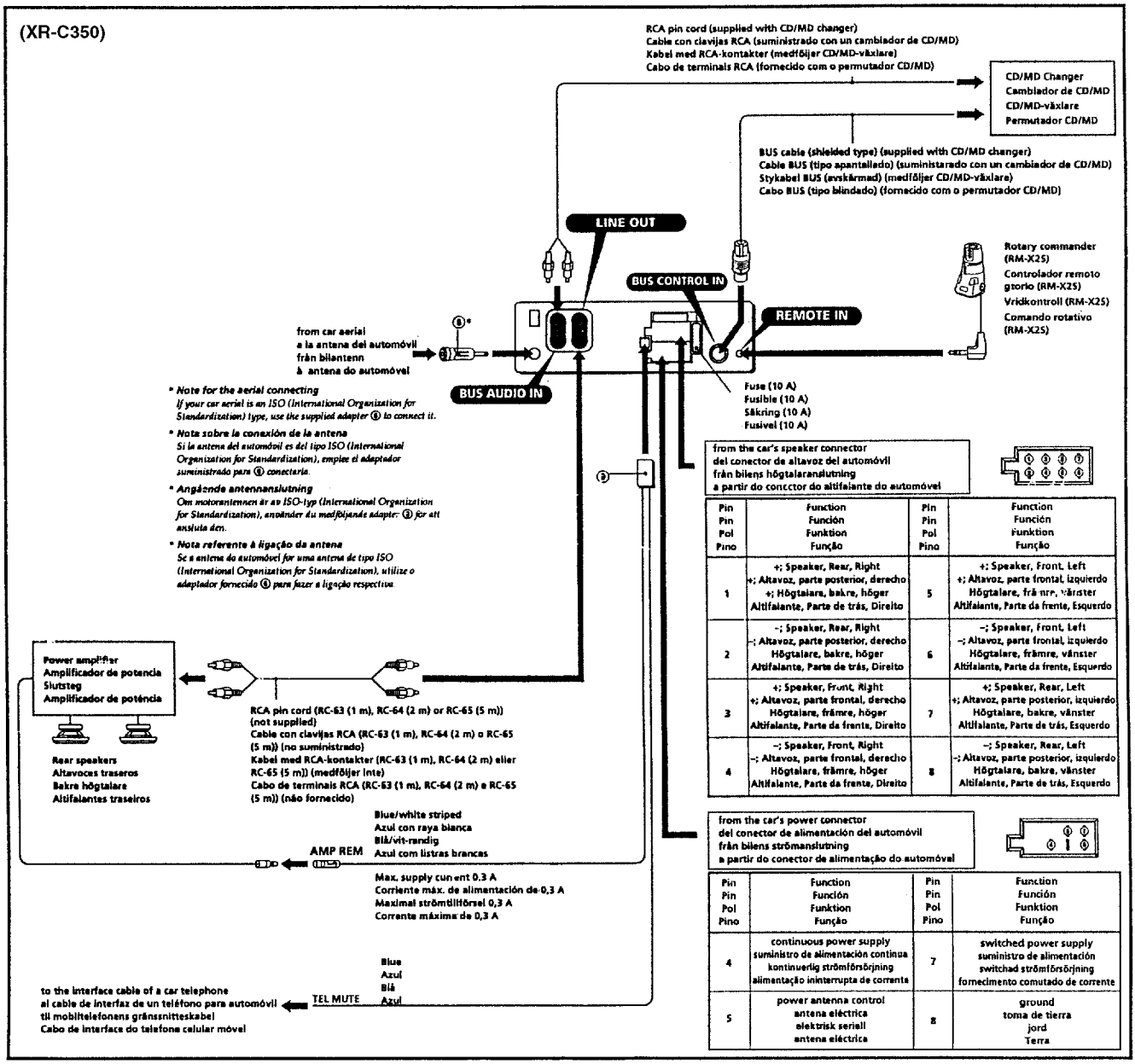
from the car's speaker connector
del conector de altavoz del automóvil
från bilens högtalaranslutning
a partir do conector do altifalante do automóvel



Pin Pin Pol Pino	Function Función Funktion Função	Pin Pin Pol Pino	Function Función Funktion Função
1	+; Speaker, Rear, Right +; Altavoz, parte posterior, derecho +; Högtalare, bakre, höger Altifalante, Parte de trás, Direito	5	+; Speaker, Front, Left +; Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo
2	–; Speaker, Rear, Right –; Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito	6	–; Speaker, Front, Left –; Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo
3	+; Speaker, Front, Right +; Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito	7	+; Speaker, Rear, Left +; Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo
4	–; Speaker, Front, Right –; Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito	8	–; Speaker, Rear, Left –; Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo

Connections of Example — Ejemplo de conexiones — Anslutningarna enligt exemplet — Exemplo de ligações

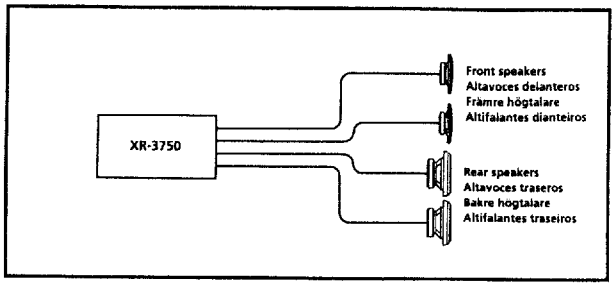
(XR-C350)


RCA pin cord (supplied with CD/MD changer)
Cable con clavijas RCA (suministrado con un cambiador de CD/MD)
Kabel med RCA-kontakter (medföljer CD/MD-växlare)
Cabo de terminais RCA (fornecido com o permutador CD/MD)
CD/MD Changer
Cambiador de CD/MD
CD/MD-växlare
Permutador CD/MD
BUS cable (shielded type) (supplied with CD/MD changer)
Cable BUS (tipo apantallado) (suministrado con un cambiador de CD/MD)
Stykabel BUS (avskärmad) (medföljer CD/MD-växlare)
Cabo BUS (tipo blindado) (fornecido com o permutador CD/MD)
LINE OUT
BUS CONTROL IN
REMOTE IN
BUS AUDIO IN
Rotary commander (RM-X25)
Controlador remoto giratorio (RM-X25)
Vridkontroll (RM-X25)
Comando rotativo (RM-X25)
from car aerial
a la antena del automóvil
från bilantenn
à antena do automóvel
Fuse (10 A)
Fusible (10 A)
Säkring (10 A)
Fusível (10 A)
* Note for the aerial connecting
If your car aerial is an ISO (International Organization for Standardization) type, use the supplied adapter ⑥ to connect it.
* Nota sobre la conexión de la antena
Si la antena del automóvil es del tipo ISO (International Organization for Standardization), emplee el adaptador suministrado para ⑥ conectarla.
* Angående antennanslutning
Om motorantennen är av ISO-typ (International Organization for Standardization), använder du medföljande adapter: ⑥ för att ansluta den.
* Nota referente à ligação da antena
Se a antena do automóvel for uma antena de tipo ISO (International Organization for Standardization), utilize o adaptador fornecido ⑥ para fazer a ligação respectiva.
from the car's speaker connector
del conector de altavoz del automóvil
från bilens högtalaranslutning
a partir do conector do altifalante do automóvel
Power amplifier
Amplificador de potencia
Slutsteg
Amplificador de potência
Rear speakers
Altavoces traseros
Bakre högtalare
Altifalantes traseiros
RCA pin cord (RC-63 (1 m), RC-64 (2 m) or RC-65 (5 m)) (not supplied)
Cable con clavijas RCA (RC-63 (1 m), RC-64 (2 m) o RC-65 (5 m)) (no suministrado)
Kabel med RCA-kontakter (RC-63 (1 m), RC-64 (2 m) eller RC-65 (5 m)) (medföljer inte)
Cabo de terminais RCA (RC-63 (1 m), RC-64 (2 m) e RC-65 (5 m)) (não fornecido)
Blue/white striped
Azul con raya blanca
Blå/vit-randig
Azul com listras brancas
AMP REM
Max. supply current 0.3 A
Corriente máx. de alimentación de 0,3 A
Maximal strömtillförsel 0,3 A
Corrente máxima de 0,3 A
from the car's power connector
del conector de alimentación del automóvil
från bilens strömanslutning
a partir do conector de alimentação do automóvel
to the interface cable of a car telephone
al cable de interfaz de un teléfono para automóvil
til mobiltelefonens gränssnittskabel
Cabo de interface do telefone celular móvel
Blue
Azul
Blå
Azul
TEL MUTE

Pin Pin Pol Pino	Function Función Funktion Função	Pin Pin Pol Pino	Function Función Funktion Função
1	+; Speaker, Rear, Right +; Altavoz, parte posterior, derecho +; Högtalare, bakre, höger Altifalante, Parte de trás, Direito	5	+; Speaker, Front, Left +; Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo
2	–; Speaker, Rear, Right –; Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito	6	–; Speaker, Front, Left –; Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo
3	+; Speaker, Front, Right +; Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito	7	+; Speaker, Rear, Left +; Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo
4	–; Speaker, Front, Right –; Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito	8	–; Speaker, Rear, Left –; Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo

Pin Pin Pol Pino	Function Función Funktion Função	Pin Pin Pol Pino	Function Función Funktion Função
4	continuous power supply suministro de alimentación continua kontinuerlig strömförsörjning alimentação ininterrupta de corrente	7	switched power supply suministro de alimentación switchad strömförsörjning fornecimento comutado de corrente
5	power antenna control antena eléctrica elektrisk serial antena eléctrica	8	ground toma de tierra jord Terra

Connection Diagram (XR-3750)
Diagrama de conexiones
Kopplingsschema
Diagrama de ligações



Caution

Cautionary notice for handling the bracket ①.
Handle the bracket carefully to avoid injuring your fingers.

Precaución

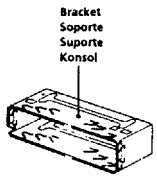
Advertencia sobre la manipulación del soporte ①.
Tenga mucho cuidado al manipular el soporte para evitar posibles lesiones en los dedos.

Varning

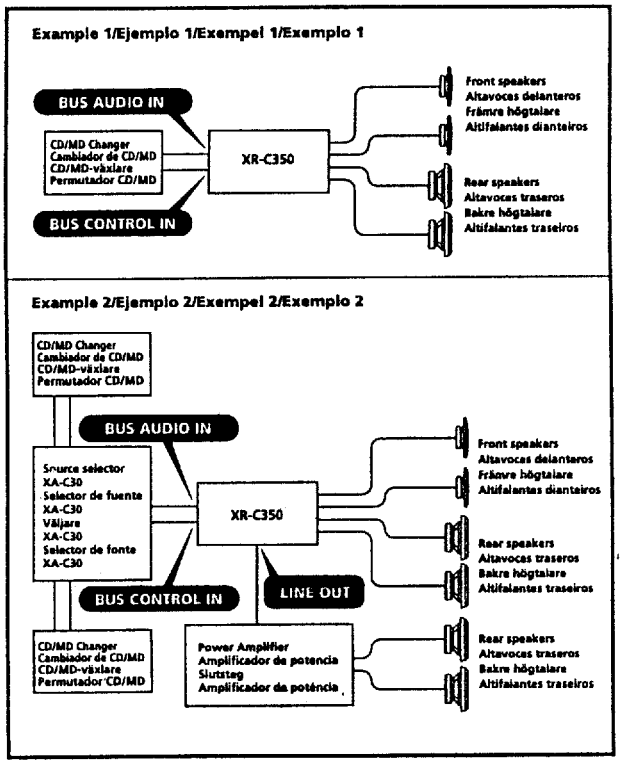
Att observera angående konsolen ①.
Hantera konsolen med största aktsamhet så att du inte skadar fingrarna.

Cuidado

Aviso sobre as precauções a tomar no manuseamento do suporte ①.
Pegue no suporte com cuidado para não magoar os dedos.



Connection Diagram (XR-C350)
Diagrama de conexiones
Kopplingsschema
Diagrama de ligações



Note
If you connect an optional power amplifier and do not use the built-in amplifier, the beep-tone will be disabled.

Nota
Si conecta un amplificador opcional de potencia y no utiliza el incorporado, los pitidos se desactivarán.

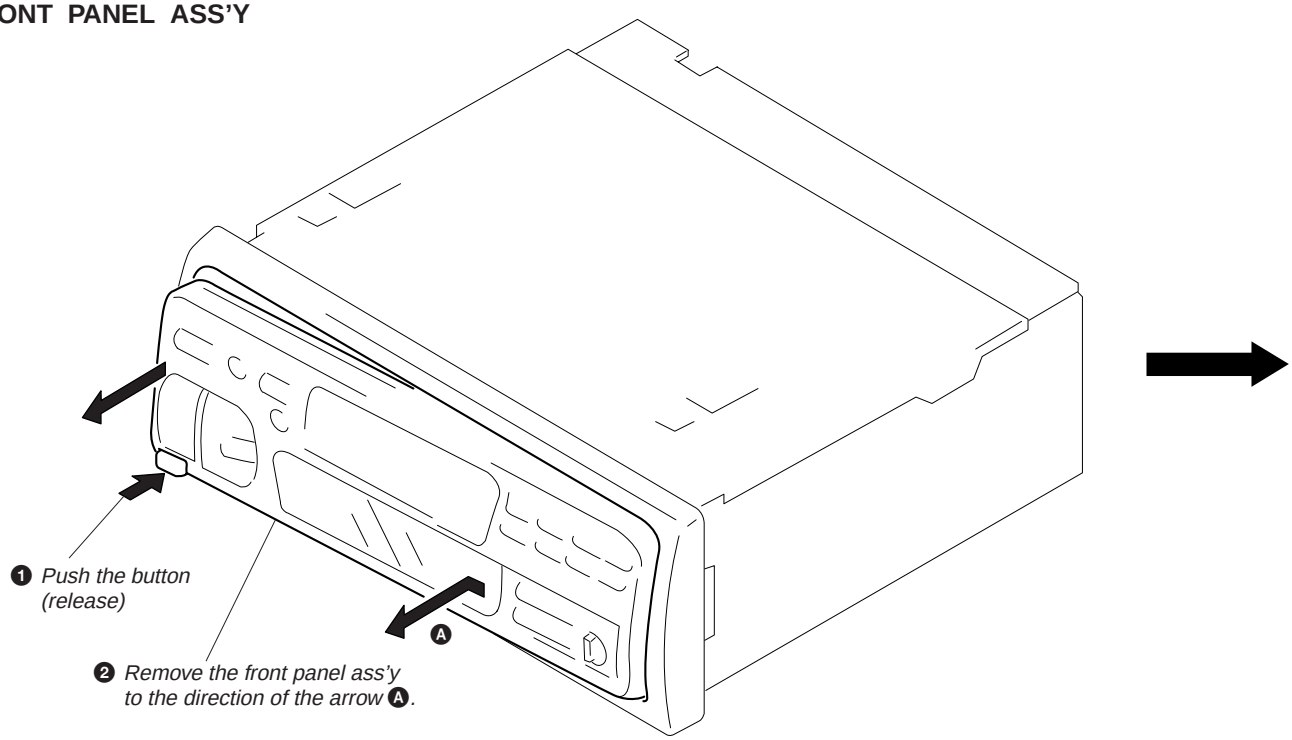
Observera
Om du ansluter en effektförstärkare (tillval) och inte använder den inbyggda förstärkarn deaktiveras ljudsignalen.

Nota
Se ligar um amplificador de potência opcional e não utilizar o amplificador incorporado, desactiva o sinal sonoro.

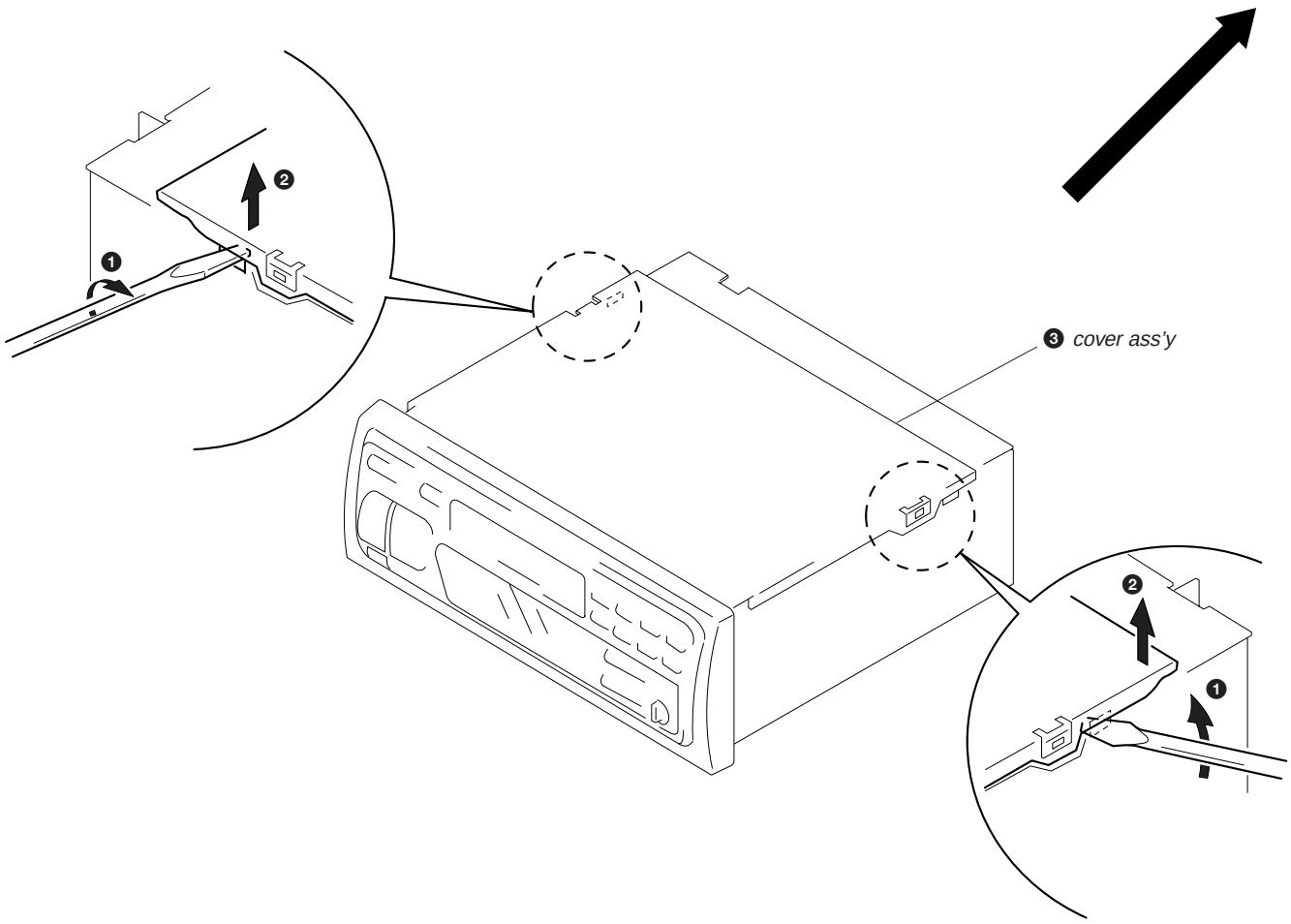
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

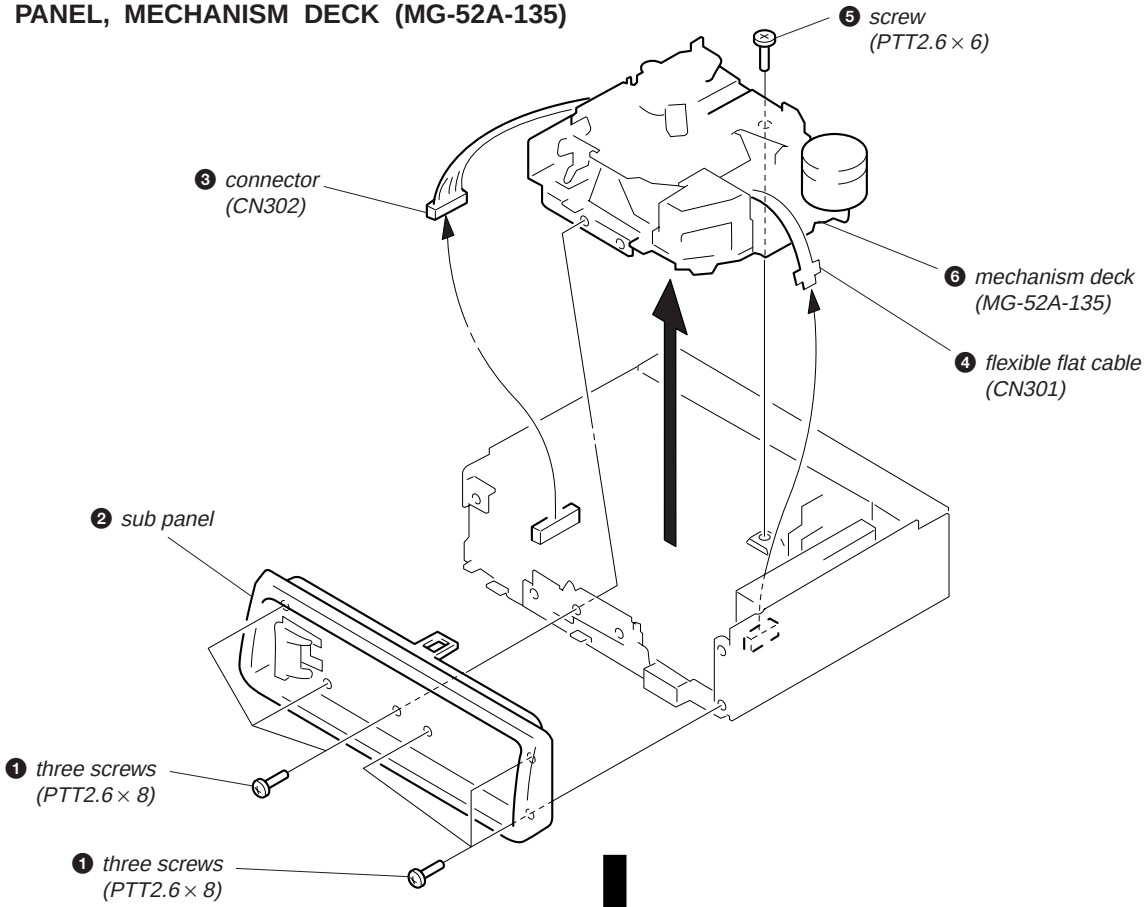
FRONT PANEL ASS'Y



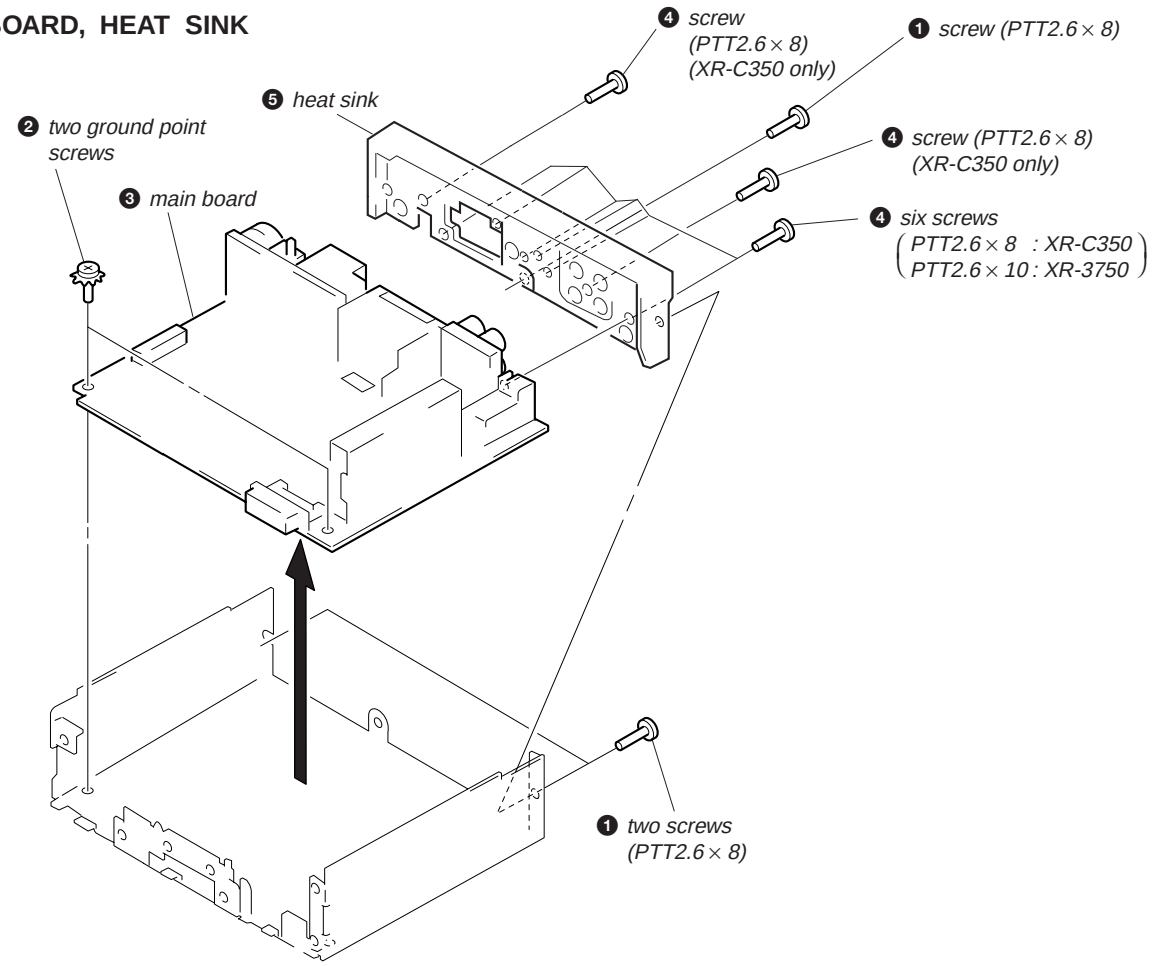
COVER ASS'Y



SUB PANEL, MECHANISM DECK (MG-52A-135)



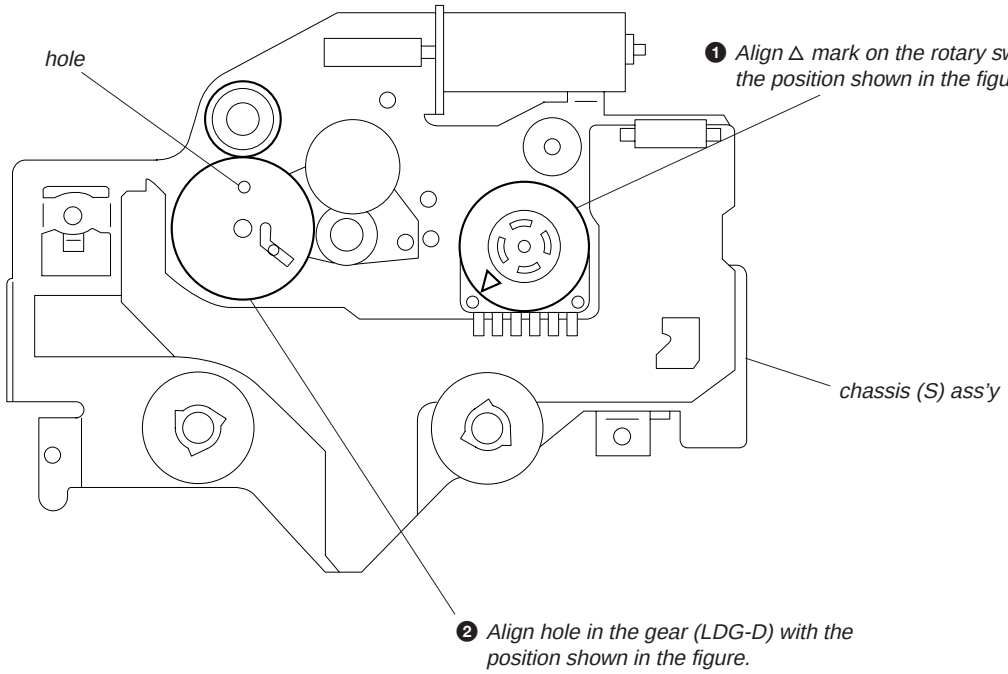
MAIN BOARD, HEAT SINK



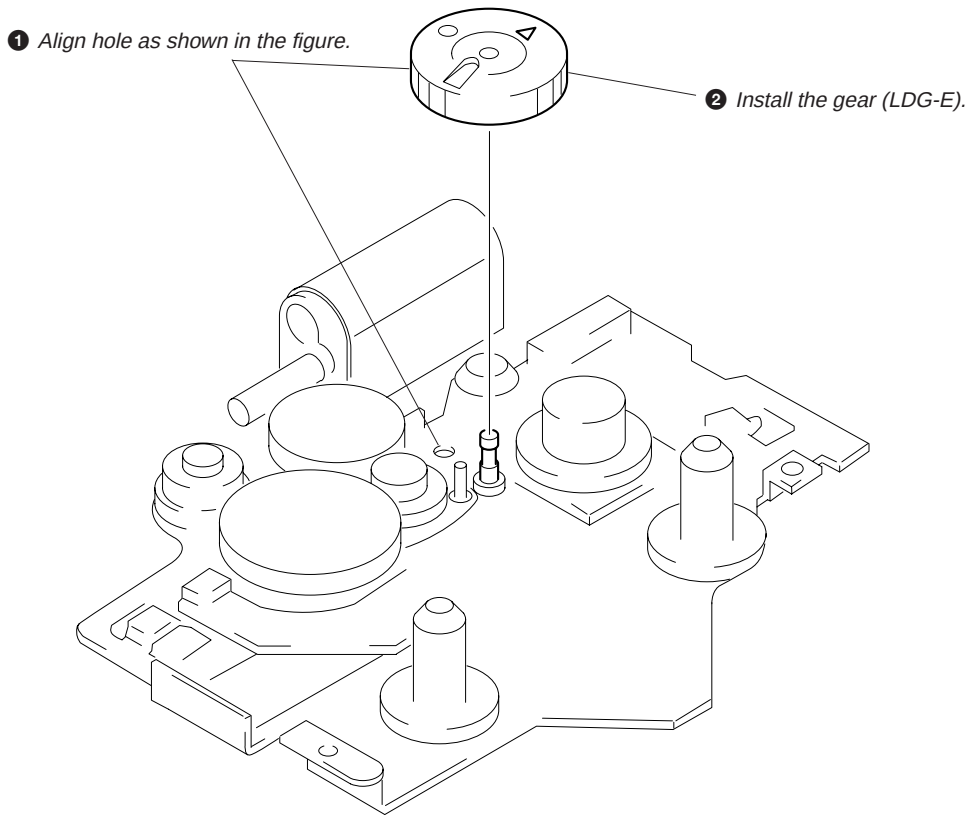
SECTION 3
ASSEMBLY OF MECHANISM DECK

Note: Follow the assembly procedure in the numerical order given.

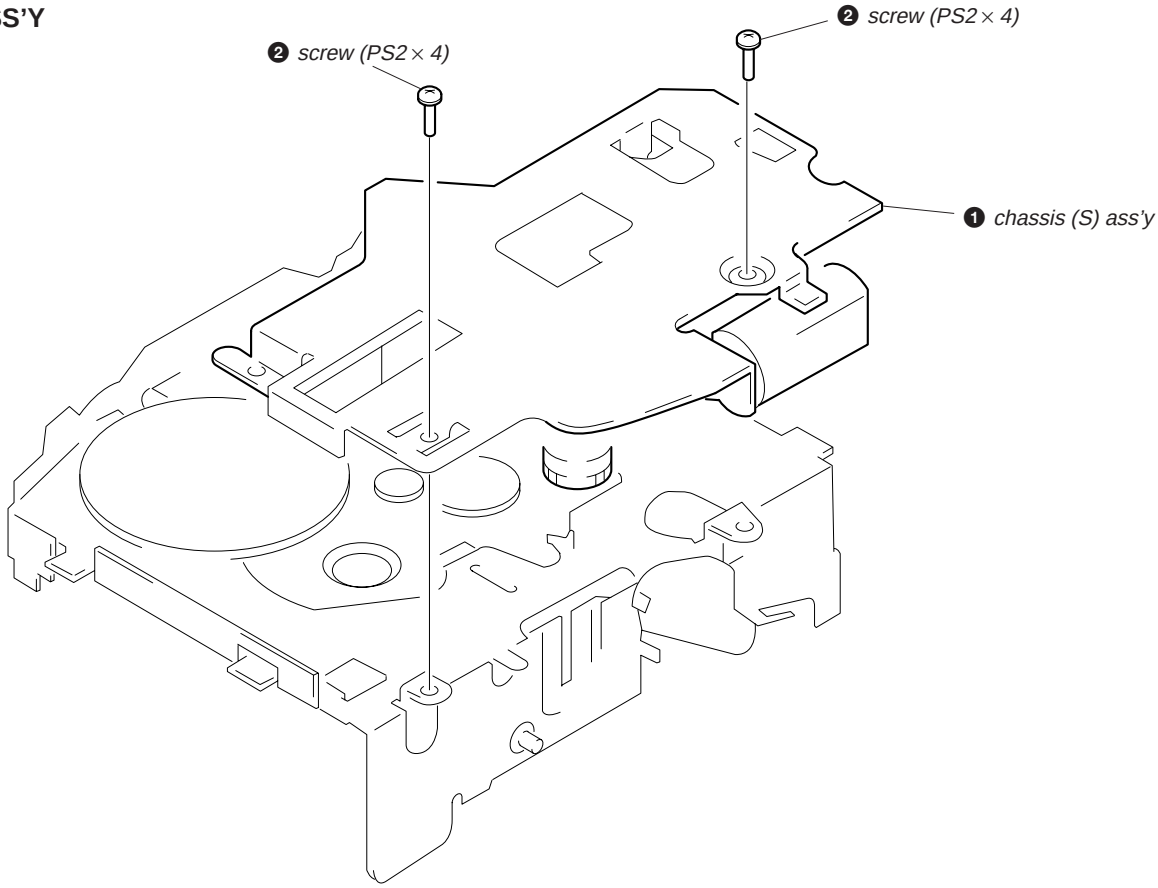
ALIGNMENT OF FRONT SWITCH


hole
❶ Align △ mark on the rotary switch the position shown in the figure.
chassis (S) ass'y
❷ Align hole in the gear (LDG-D) with the position shown in the figure.

GEAR (LDGE)

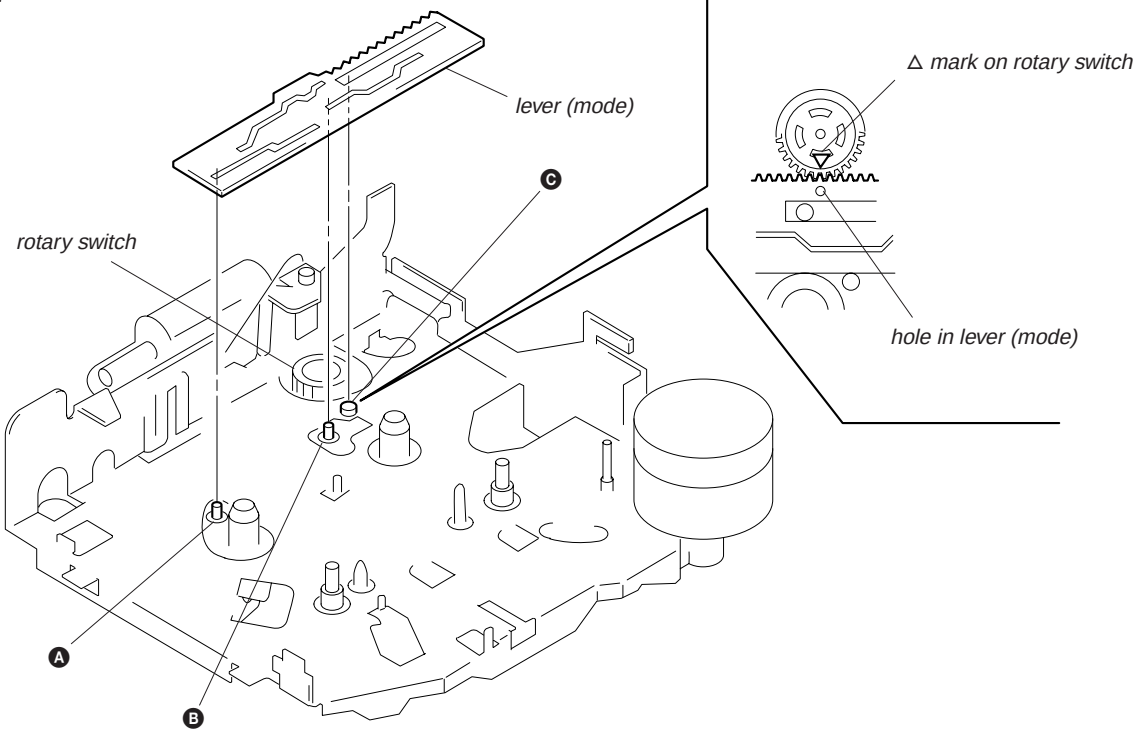


CHASSIS (S) ASS'Y

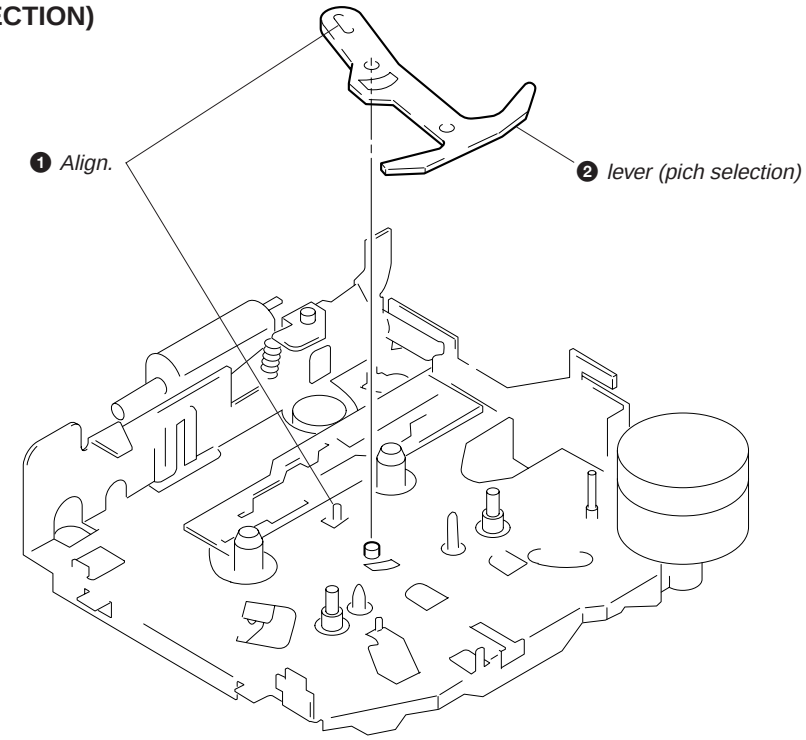


LEVER (MODE)

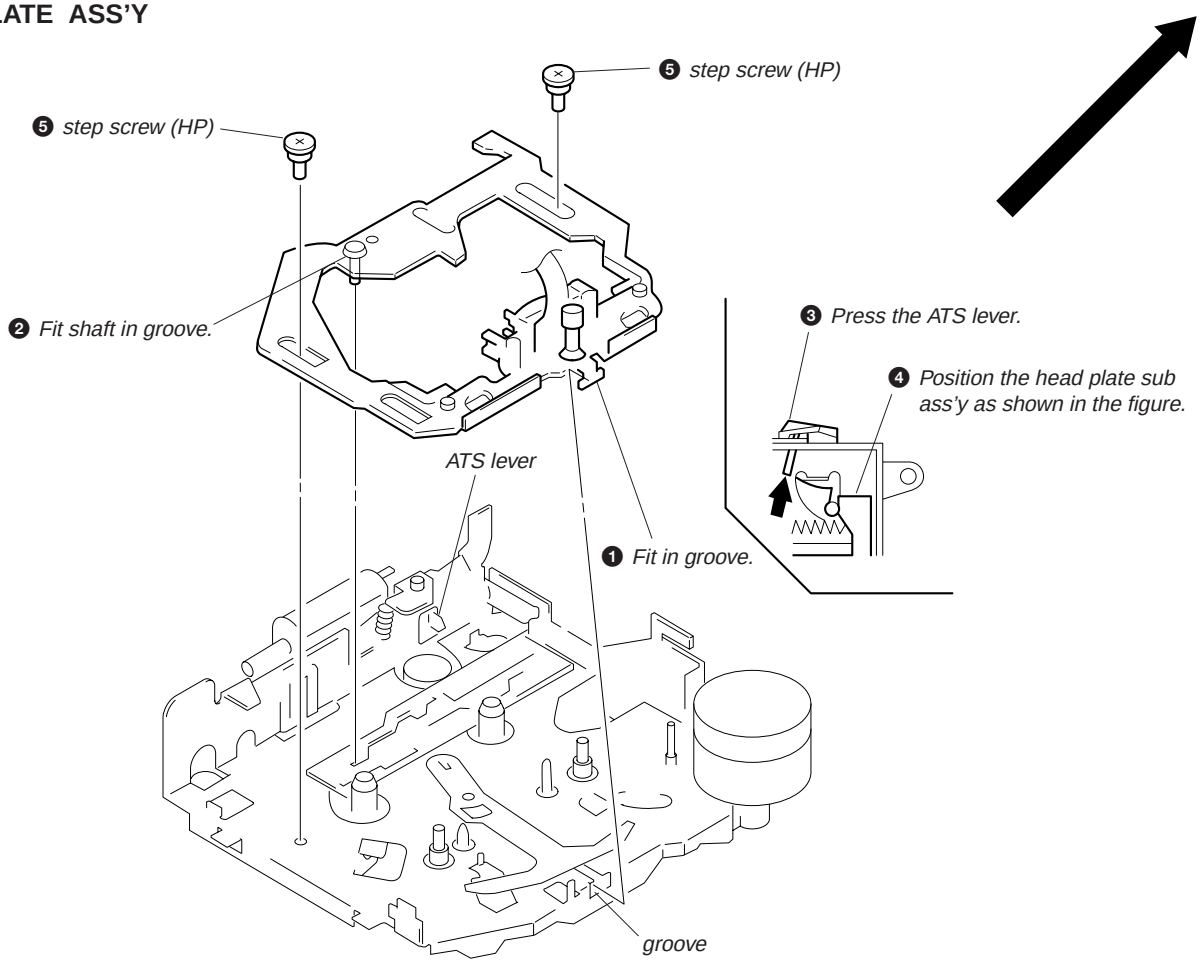
1. *Align △ mark on the rotary switch with hole in the lever (mode).*
2. *Fit on positions Ⓐ, Ⓑ and Ⓒ and install the lever (mode).*



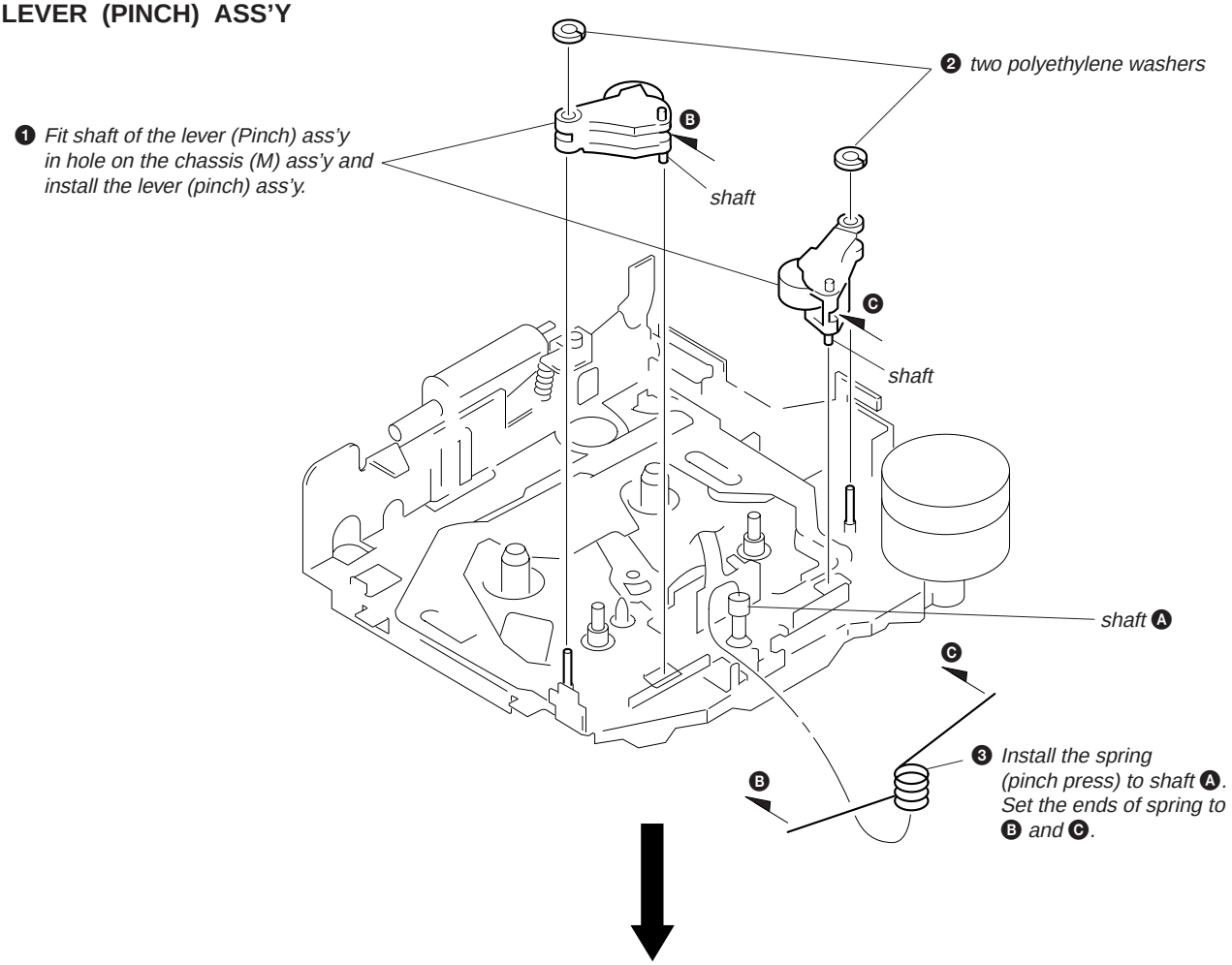
LEVER (PINCH SELECTION)



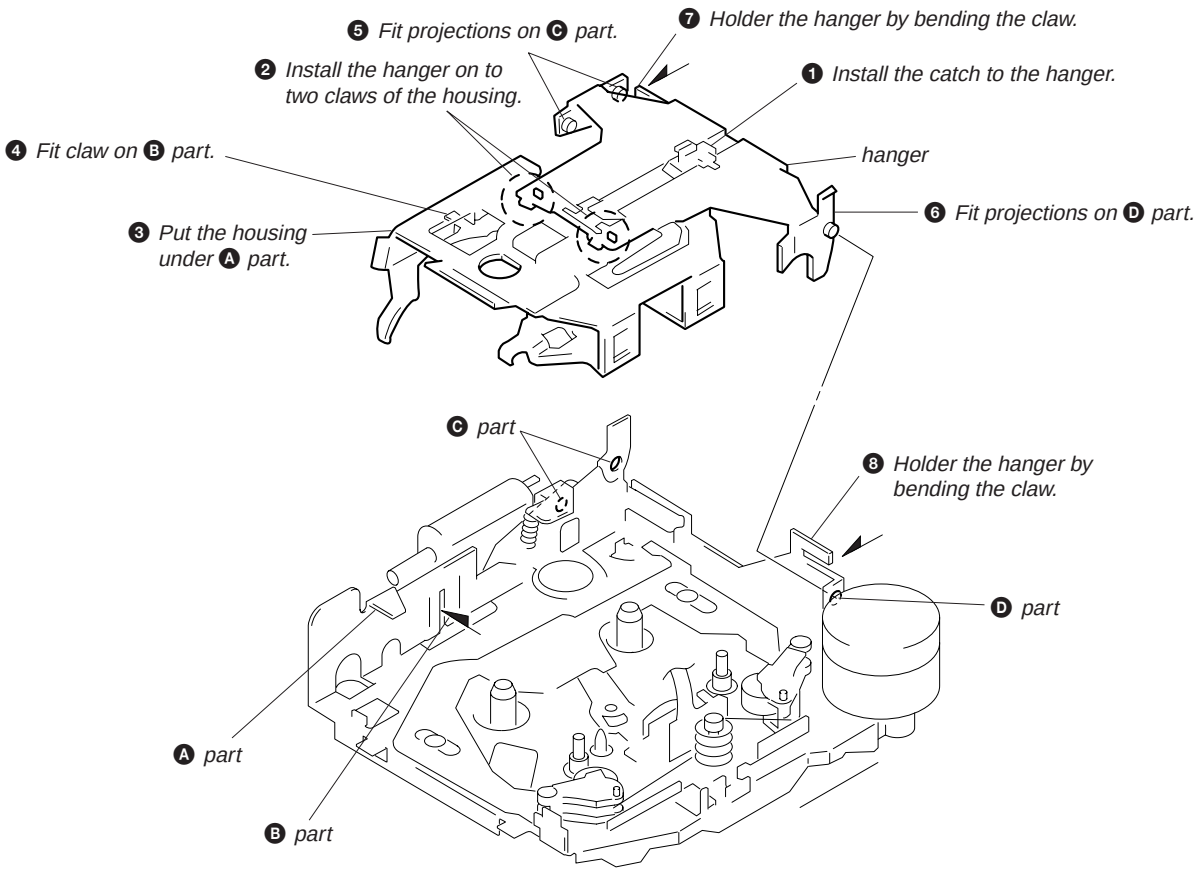
HEAD PLATE ASS'Y


❺ step screw (HP)
❺ step screw (HP)
❷ Fit shaft in groove.
❸ Press the ATS lever.
❹ Position the head plate sub ass'y as shown in the figure.
ATS lever
❶ Fit in groove.
groove

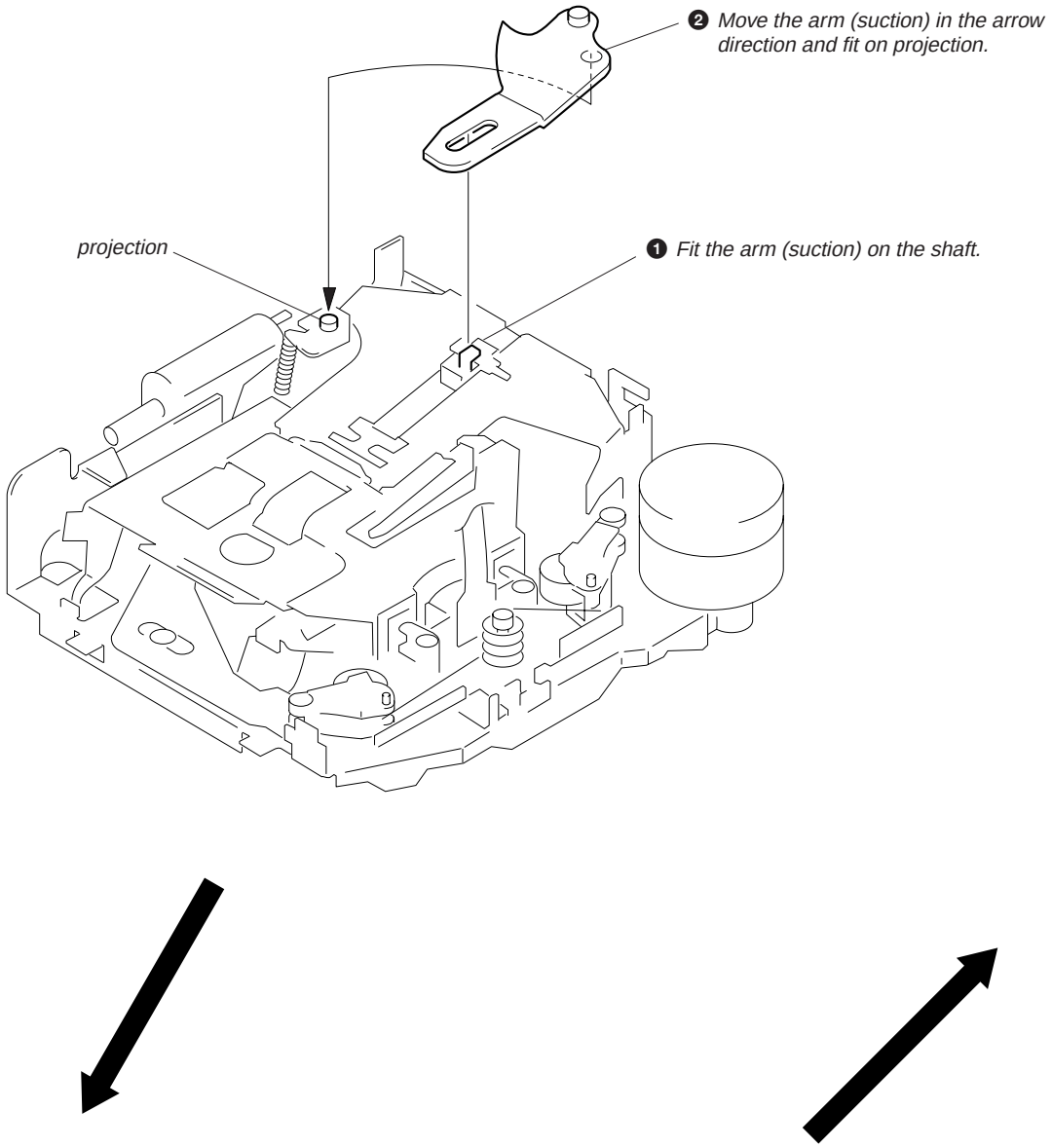
LEVER (PINCH) ASS'Y


❷ two polyethylene washers
❶ Fit shaft of the lever (Pinch) ass'y in hole on the chassis (M) ass'y and install the lever (pinch) ass'y.
Ⓑ
shaft
Ⓒ
shaft
shaft Ⓐ
Ⓒ
❸ Install the spring (pinch press) to shaft Ⓐ. Set the ends of spring to Ⓑ and Ⓒ.
Ⓑ

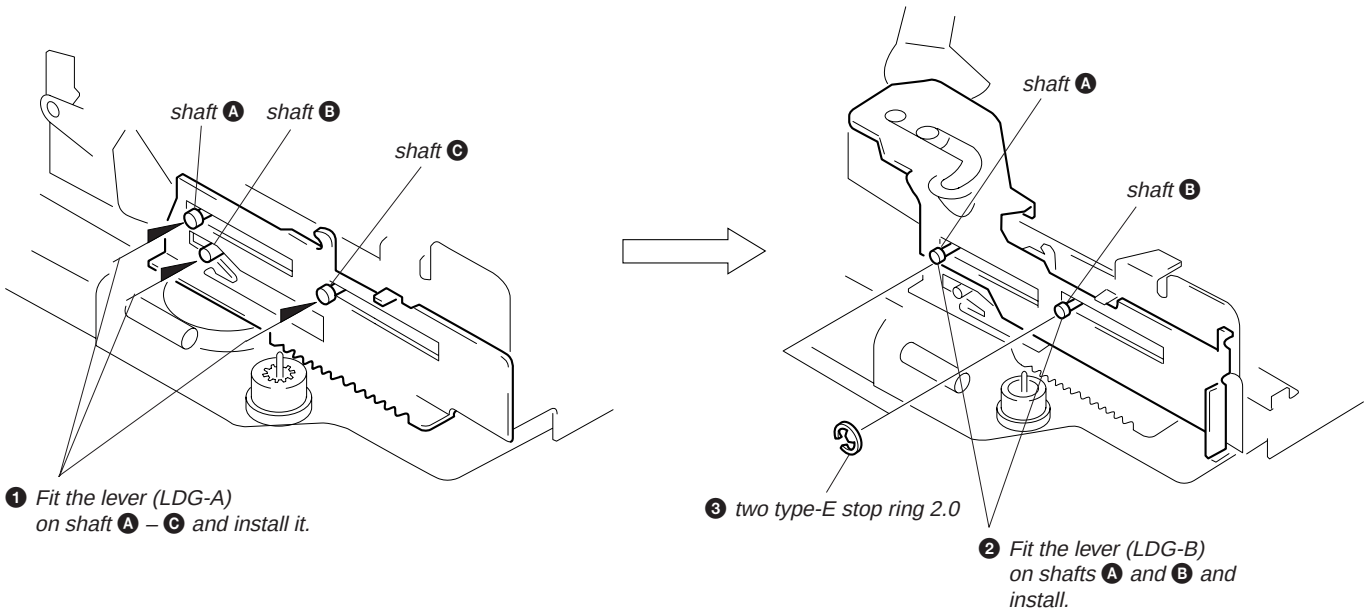
HOUSING


❺ Fit projections on Ⓒ part.
❼ Holder the hanger by bending the claw.
❷ Install the hanger on to two claws of the housing.
❶ Install the catch to the hanger.
❹ Fit claw on Ⓑ part.
hanger
❸ Put the housing under Ⓐ part.
❻ Fit projections on Ⓓ part.
Ⓒ part
❽ Holder the hanger by bending the claw.
Ⓓ part
Ⓐ part
Ⓑ part

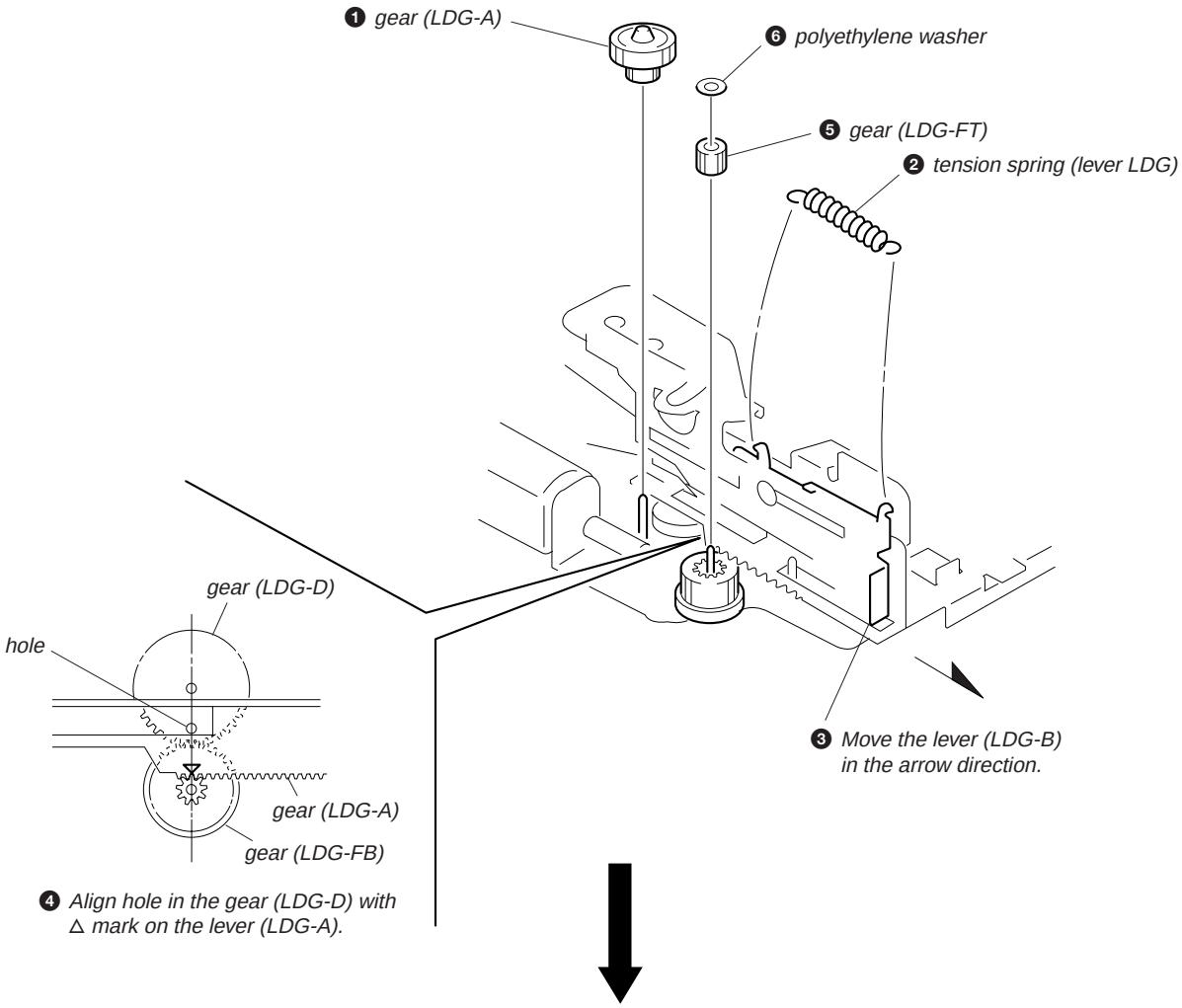
ARM (SUCTION)



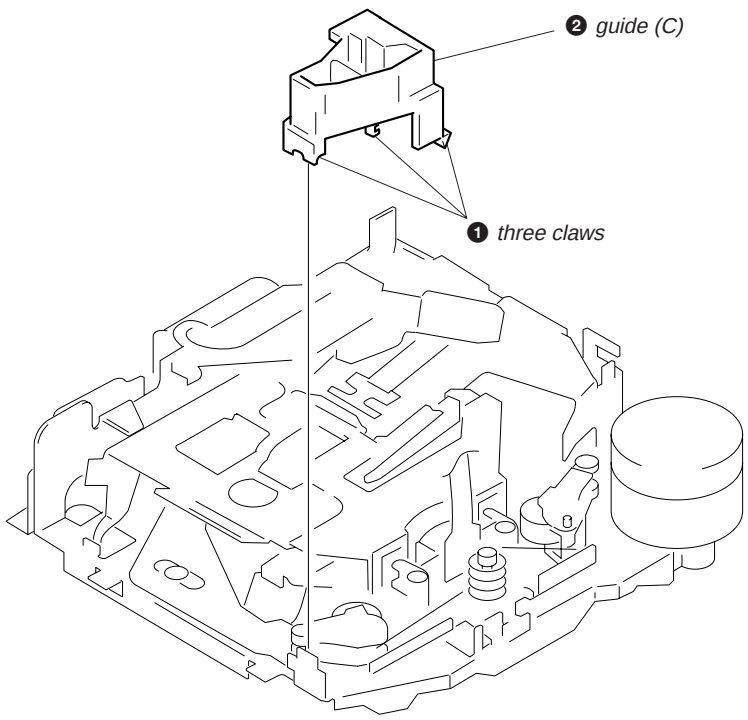
LEVER (LDG-A) / (LDG-B)


shaft Ⓐ
shaft Ⓑ
shaft Ⓒ
❶ Fit the lever (LDG-A) on shaft Ⓐ – Ⓒ and install it.
shaft Ⓐ
shaft Ⓑ
❸ two type-E stop ring 2.0
❷ Fit the lever (LDG-B) on shafts Ⓐ and Ⓑ and install.

GEAR (LDG-FT)


❶ gear (LDG-A)
❻ polyethylene washer
❺ gear (LDG-FT)
❷ tension spring (lever LDG)
gear (LDG-D)
hole
gear (LDG-A)
gear (LDG-FB)
❸ Move the lever (LDG-B) in the arrow direction.
❹ Align hole in the gear (LDG-D) with △ mark on the lever (LDG-A).

GUIDE (C)



SECTION 4
MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head, erase head, capstan, pinch roller, rubber belts, idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the power supply voltage unless otherwise noted.

• Torque Measurement

Mode	Torqu Meter	Meter Reading
Forward	CQ-102C	35–65 g•cm (0.49–0.90 oz•inch)
Forward Back Tension	CQ-102C	0.5–5.0 g•cm (0.01–0.07 oz•inch)
Reverse	CQ-102RC	35–65 g•cm (0.49–0.90 oz•inch)
Reverse Back Tension	CA-102RC	0.5–5.0 g•cm (0.01–0.07 oz•inch)
FF, REW	CQ-201B	60–200 g•cm (0.83–2.78 oz•inch)

• Tape Tension Measurement

Mode	Torqu Meter	Meter Reading
Forward	CQ-403A	more than 60 g (more than 2.12 oz)
Reverse	CQ-403R	

SECTION 5
ELECTRICAL ADJUSTMENTS

TEST MODE

This set have the test mode function. In the test mode, FM Auto Scan/Stop Level and AM (MW) Auto Scan/Stop Level adjustments can be performed easier than it in ordinary procedure.

<Set the Test Mode>
1. Set the “OFF” mode.
2. Push the preset [4] button.
3. Push the preset [5] button.
4. Press the preset [1] button for more than two seconds.
5. Then the display indicates all lights, the test mode is set.

<Release the Test mode>
1. Push the “OFF” button.

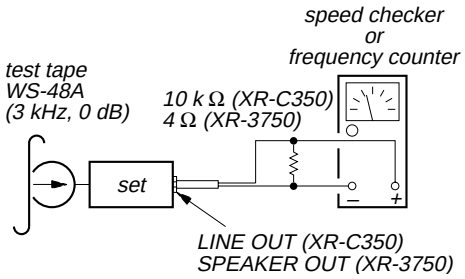
See the adjustment location from on page 21 for the adjustment.

TAPE DECK SECTION | **0 dB=0.775 V**

Tape Speed Adjustment

Procedure:

1. Put the set into the FWD PB mode.



Specification: Constant speed

Speed checker	Frequency counter
–1.5 to +2.5%	2,955 to 3,075 Hz

Adjustment Location: See page 21.

TUNER SECTION | **0 dB=1 µV**

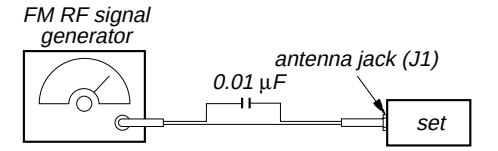
Cautions during repair

When the tuner unit is defective, replace it by a new one because its internal block is difficult to repair.

FM Auto Scan/Stop Level Adjustment

Setting:

SOURCE button: FM

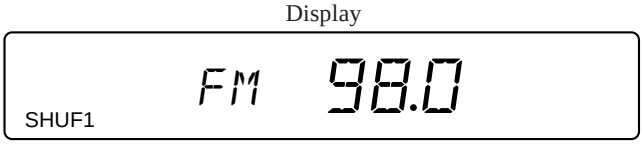


Carrier frequency : 98.0 MHz
Output level : 22 dB (12.6 µV)
Mode : mono
Modulation : 1 kHz, 22.5 kHz deviation (30%)

Procedure:

1. Set to the test mode. (See page 18).
2. Push the SOURCE button and set to FM.

Display

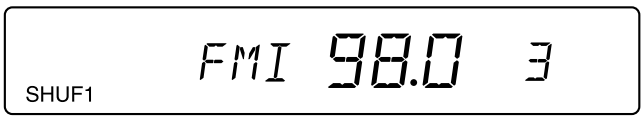


3. Push the preset 3 button.

Display

4. Adjust with the volume RV2 on TU1 so that the “FM” indication turns to “FMI” indication on the display window.
   But, in case of already indicated “FMI”, turn the RV2 so that put out light “I” indication and adjustment.

Display

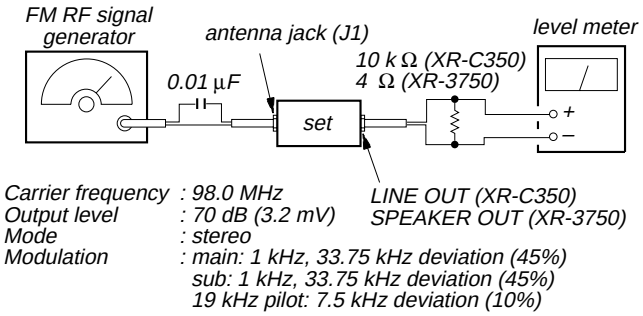


Adjustment Location: See page 21.

FM Stereo Separation Adjustment

Setting:

SOURCE button: FM



Carrier frequency : 98.0 MHz
Output level : 70 dB (3.2 mV)
Mode : stereo
Modulation : main: 1 kHz, 33.75 kHz deviation (45%)
sub: 1 kHz, 33.75 kHz deviation (45%)
19 kHz pilot: 7.5 kHz deviation (10%)

Procedure:

FM Stereo signal generator output channel	Level meter connection	Level meter reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV4 on TU1 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV4 on TU1 for minimum reading.

L-CH Stereo separation: Ⓐ-Ⓑ
R-CH Stereo separation: Ⓒ-Ⓓ
The separations of both channels should be equal.

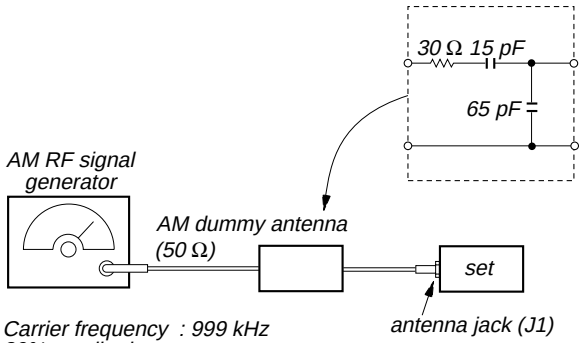
Specification: Separation more than 28dB

Adjustment Location: See page 21.

AM (MW) Auto Scan/Stop Level Adjustment

Setting:

SOURCE and MODE button: MW

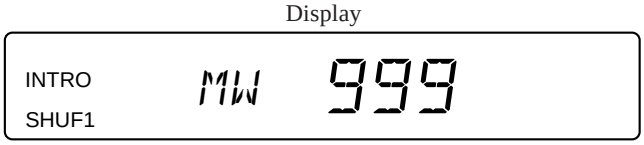


Carrier frequency : 999 kHz
30% amplitude modulation by 1 kHz signal
Output level : 33 dB (44.7 µV)

Procedure:

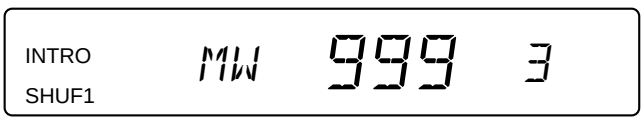
1. Set to the test mode. (See page 18.)
2. Push the SOURCE button and set to FM.
3. Push the MODE button and set to MW.

Display



4. Push the preset 3 button.

Display



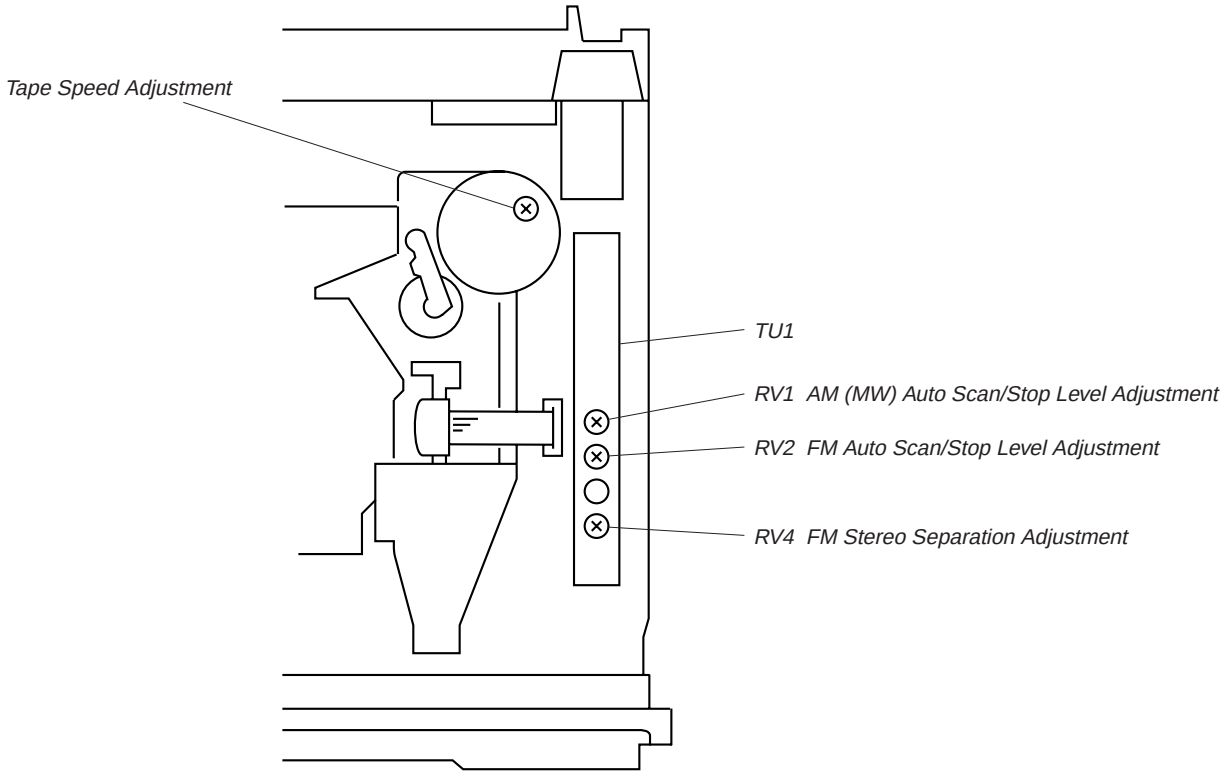
5. Adjust with the volume RV1 on TU1 so that the “MW” indication turns to “MWI” indication on the display window. But, in case of already indicated “MWI”, turn the RV1 so that put out light “I” indication and adjustment.

Display

Adjustment Location: See page 21.

Adjustment Location:

– SET UPPER VIEW –


Tape Speed Adjustment
TU1
RV1 AM (MW) Auto Scan/Stop Level Adjustment
RV2 FM Auto Scan/Stop Level Adjustment
RV4 FM Stereo Separation Adjustment

SECTION 6
DIAGRAMS

6-1. IC PIN FUNCTION DESCRIPTION

• MAIN BOARD IC501 µPD17708GC-535-3B9 (SYSTEM CONTROL)

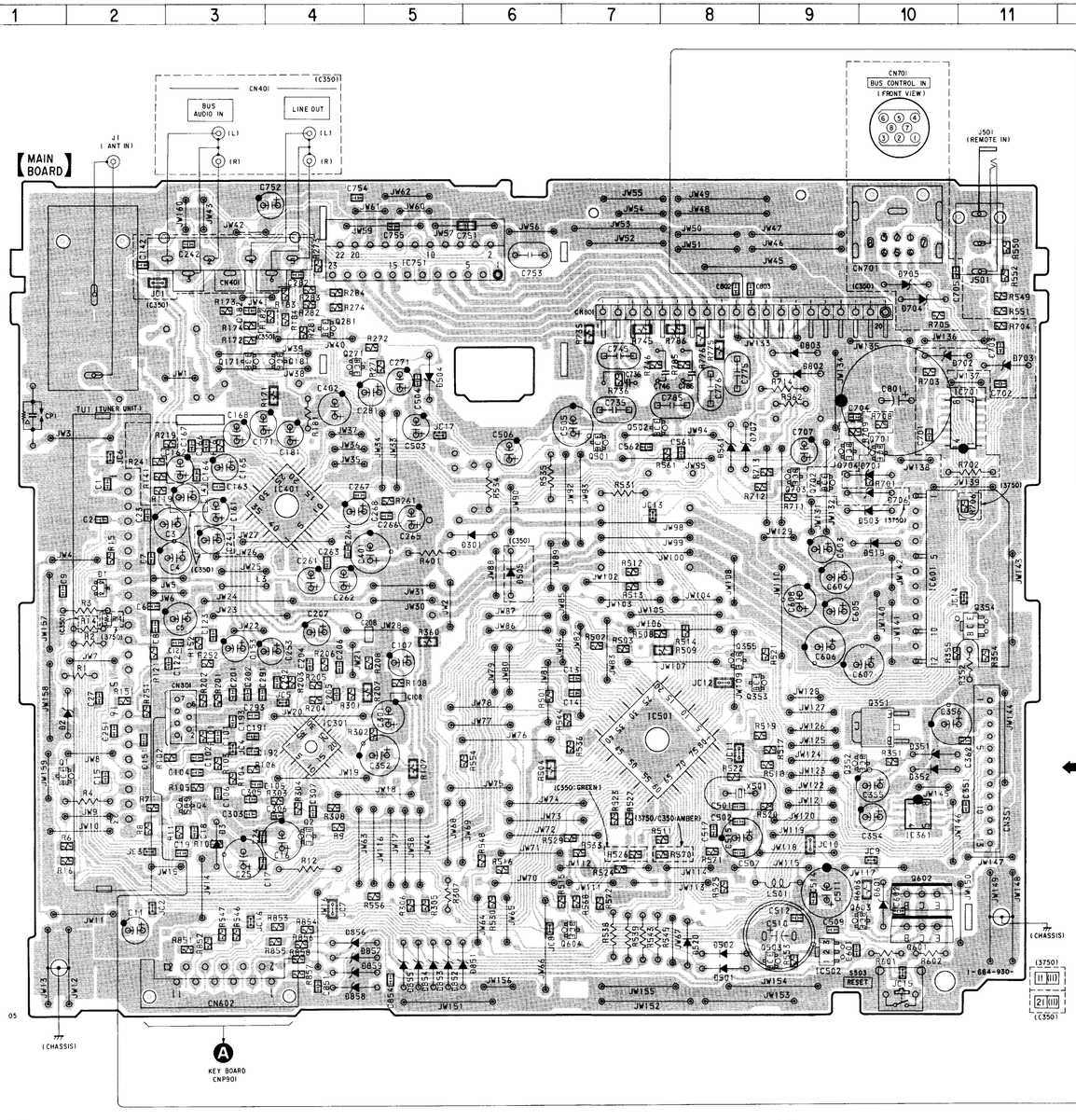
Pin No.	Pin Name	I/O	Function
1	ILLIN	I	ILLIN signal detection pin
2,3	POS3, POS2	I	Tape position detection pin
4,5	POS0, POS1	I	Tape position detection pin
6	TAPEON	O	Tape power supply control pin
7	CM_ON	O	Capstan motor control pin
8	LM_LOD	O	Loading motor control pin (loadig direction)
9	LM_EJ	O	Loading motor control pin (eject direction)
10	TUNON	O	Tuner power supply control pin
11	FM_ON	O	FM power supply control pin
12	PW_ON	O	System power supply control pin
13	MUT	O	System muting control pin At muting: "H"
14	VOLCE	O	Chip enable output pin to electrical volume
15	VOLCKO	O	Clock output pin to electrical volume
16	VOLSO	O	Data output pin to electrical volume
17	AMPON	O	Power amp power supply control pin
18	$\overline{\text{AMPMUT}}$	O	Power amp muting control pin At muting: "L"
19	$\overline{\text{DX}}$_LO	O	DX/local selection control pin
20	$\overline{\text{AM\_MONO}}$	O	AM forced monaural signal output pin
21	GND	–	GND
22	DSTSEL1	I	Destination setting pin (A/D input)
23	D-BASS	I	D-BASS switch input pin (A/D input)
24,25	KEYIN1,KEYIN0	I	Key input pin (A/D input)
26	RC_IN0	I	Rotary remote commander input pin (A/D input)
27	VSM	I	FM/AM signal meter voltage detection pin (A/D input)
28	AMIFIN	I	AM(MW, SW) IF input pin
29	FMIFIN	I	FM IF input pin
30	VDD2	–	Power supply
31	FM_OSC	I	FM OSC signal input pin
32	AM_OSC	I	AM OSC signal input pin
33	GND	–	GND
34	N.C.	–	Not used
35	EOI	O	Main charge-pump output pin
36	TEST0	I	Test pin
37	$\overline{\text{AM\_STIN}}$	I	AM stereo signal input pin
38	$\overline{\text{SEKOUT}}$	O	SEEK control signal output pin
39	$\overline{\text{MW}}$_SW	O	MW/SW power supply select pin (Not used)
40	BEEP	O	Beep sound output pin
41	KEYACK	O	Key acknowledge signal input pin
42	BU_IN	I	Back up power supply detection pin
43	MTLSEL	I/O	METAL control input/output pin At initial mode: auto/manual selection input of METAL function. "L": manual At manual mode: METAL on/off output. "H": on At auto mode: input at ⑲ MTLIN
44	DOLON	I/O	DOLBY control input/output pin At initial mode: valid/invalid selection input of DOLBY function At normal mode: DOLBY on/off output
45	$\overline{\text{AMSIN}}$	I	Tape music with/without detection pin "L": with music
46	ST	I/O	Stereo detection signal input and forced monaural signal output pin
47	AMS_ON	O	At AMS: "L"

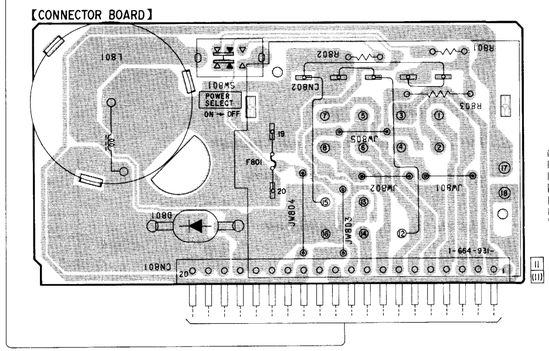
Pin No.	Pin Name	I/O	Function
48	N_$\overline{R}$OUT	O	Forward/reverse control pin
49	TAPMUT	O	Tape muting control pin At muting: "H"
50	ILLON	O	Illumination power suply control pin At PW SEL on: ACC on: "H" At PW SEL off: Power on: "H"
51	SD_IN	I	Station detection signal input pin
52	$\overline{\text{NOSESW}}$	I	Front panel removal or attaching detection pin
53	TELMUT	I	Telephone muting detection pin "L": 20dB audio muting
54	REL_T	I	Reel table rotation detection pin
55	$\overline{\text{ACCIN}}$	I	Accessory voltage detection pin
56	$\overline{\text{TESTIN}}$	I	Test mode setting pin
57	RC_IN1	I	Rotary remote commander input pin (A/D input)
58	PW_SEL	I	Power select switch input pin
59	MTLIN	I	AUTO METAL detection pin "L": METAL
60	KEYACT	O	Power supply control pin for A/D conversion
61	KEYSEL0	I	Key function setting pin
62	KEYSEL1	I	Active select pin for ㊳SEKOUT
63	COLOR	I	Illumination color setting pin "L": amber, "H": green
64	LCDCE	O	LCD chip enable output pin
65	LCDCKO	O	LCD clock output pin
66	LCDSO	O	LCD data output pin
67	$\overline{\text{LCDINH}}$	O	LCD brank indication control pin
68	UNICKI	I	Clock input pin (for SONY BUS)
69	UNISO	O	Data output pin (for SONY BUS)
70	UNISI	I	Data input pin (for SONY BUS)
71	UNICKO	O	Clock output pin (for SONY BUS)
72	$\overline{\text{BUSON}}$	O	BUS ON control signai output pin (for SONY BUS)
73	$\overline{\text{SYSRST}}$	O	System reset signal output pin
74	VREG	O	CPU regurator output pin
75	GND	–	GND
76	X_OUT	O	System clock output pin (4.5 MHz)
77	X_IN	I	System clock input pin (4.5 MHz)
78	CE	I	Fixed at "H"
79	VDD1	—	Power supply
80	$\overline{\text{RESET}}$	I	Reset input pin

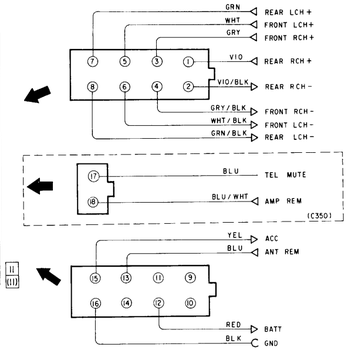
6-2. PRINTED WIRING BOARDS – MAIN Section –

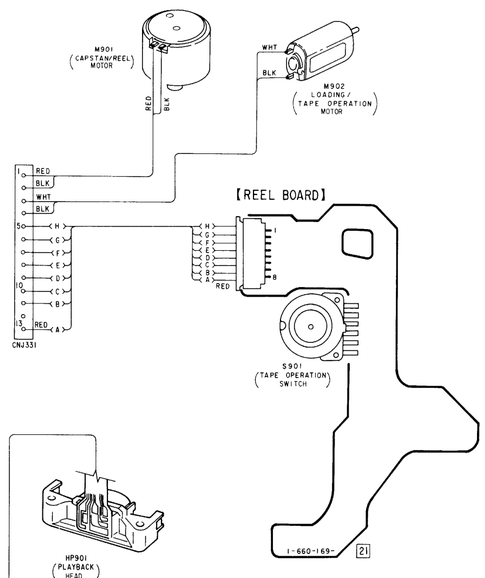
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D1	F-2		
D2	G-1	IC301	H-4
D3	I-3	IC361	H-10
D301	F-6	IC401	E-4
D351	H-10	IC501	H-7
D352	H-10	IC502	J-9
D501	J-8	IC601	F-11
D502	J-8	IC701	D-11
D503	E-10	IC751	C-5
D504	D-5		
D505	F-6	Q1	H-1
D519	F-10	Q2	I-4
D520	J-8	Q4	H-3
D561	E-8	Q171	D-3
D601	I-10	Q181	D-4
D701	E-10	Q271	D-4
D702	D-10	Q281	D-4
D703	D-11	Q351	H-10
D704	C-10	Q352	H-10
D705	C-10	Q353	G-8
D706	E-10	Q354	G-11
D707	E-8	Q355	G-8
D801	D-13	Q501	E-7
D802	D-9	Q502	E-7
D803	D-9	Q503	J-9
D851	J-5	Q601	J-10
D852	J-5	Q602	I-10
D853	J-5	Q603	J-10
D854	J-5	Q604	J-7
D855	J-5	Q701	E-10
D856	J-4	Q702	E-9
D857	J-4	Q703	E-9
D858	J-4	Q704	E-9
D859	J-4		









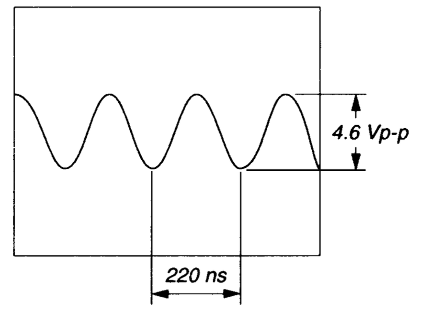
Note on Printed Wiring Board:

- o——— : parts extracted from the component side.
- △ : internal component.

6-3. SCHEMATIC DIAGRAM – MAIN Section – • See page 37 for IC Block Diagrams.

• **Waveform**

① IC501 ⑰

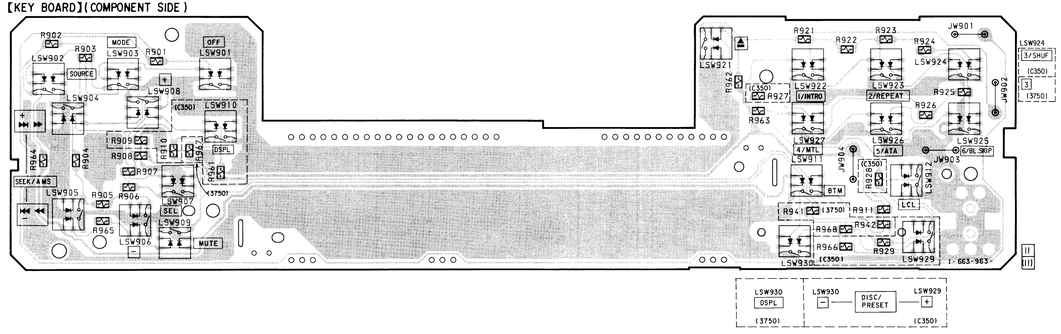


NOTE

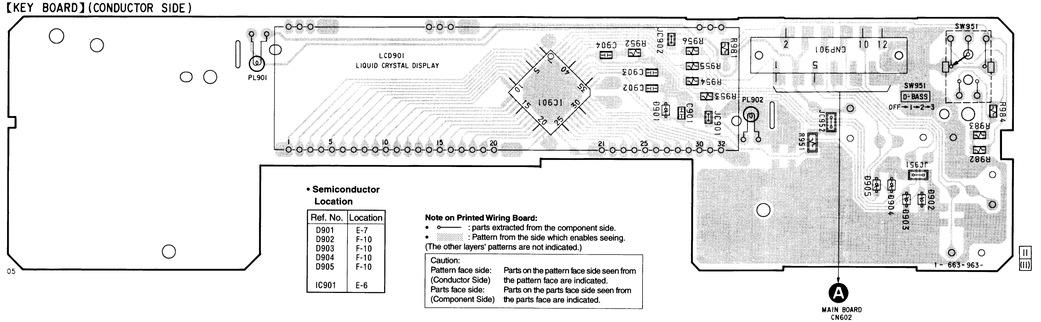
- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  - no mark: FM
  - ( ) : MW
  - 《 》: PB
  - * : Impossible to measured.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - ⇨ : FM
  - ➡ : MW
  - ⪢ : PB

6-4. PRINTED WIRING BOARD – KEY Section –

【KEY BOARD】(COMPONENT SIDE)



【KEY BOARD】(CONDUCTOR SIDE)



• **Semiconductor Location**

Ref. No.	Location
D901	E-7
D902	F-10
D903	F-10
D904	F-10
D905	F-10
IC901	E-6

Note on Printed Wiring Board:

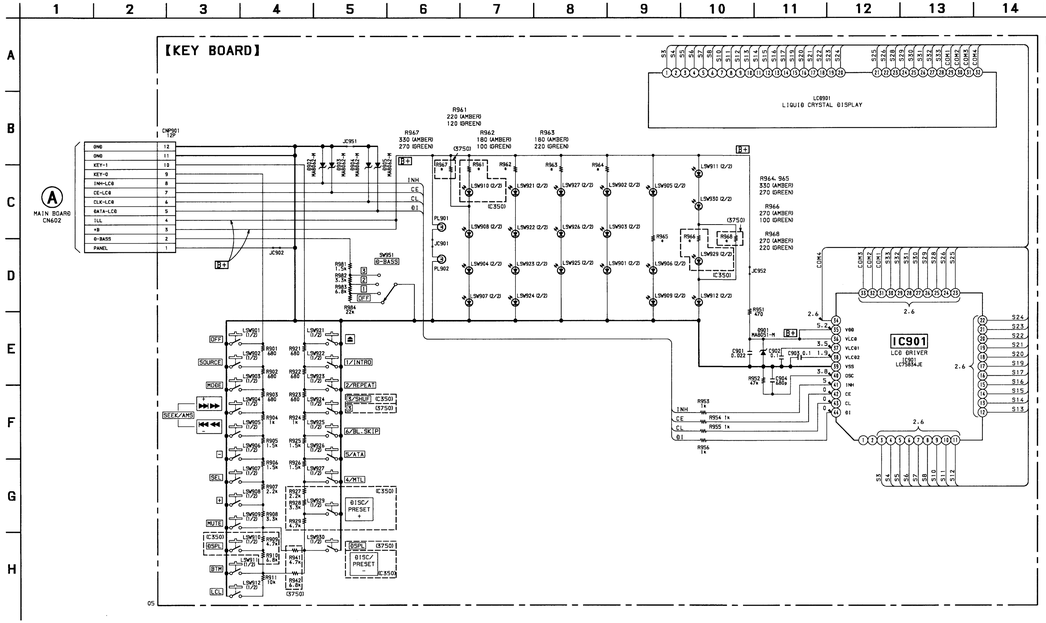
- ⟷ : parts extracted from the component side.
- ▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:

Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

6-5. SCHEMATIC DIAGRAM – KEY Section –

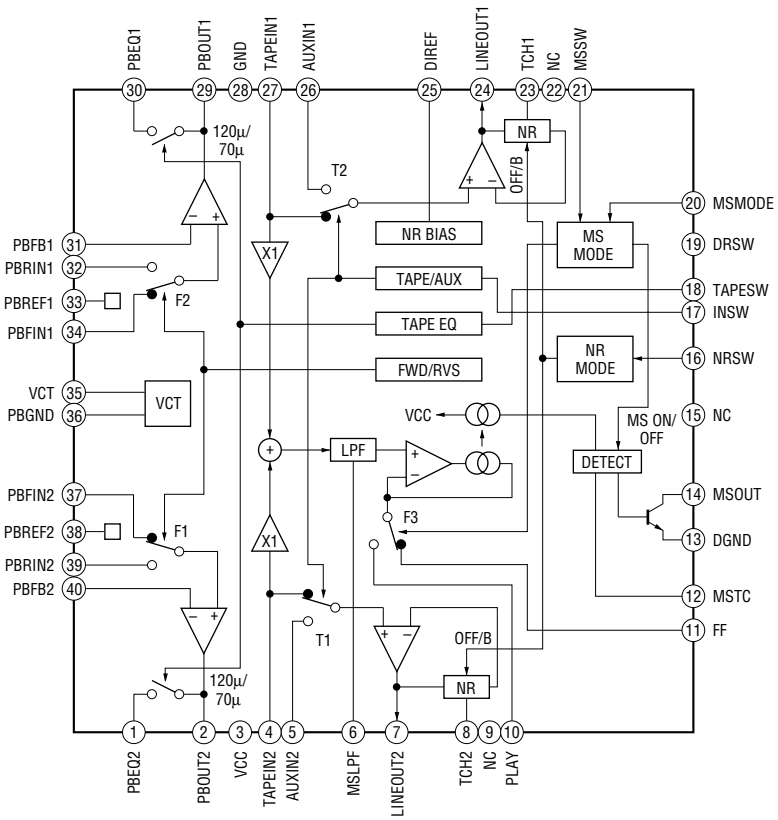


NOTE

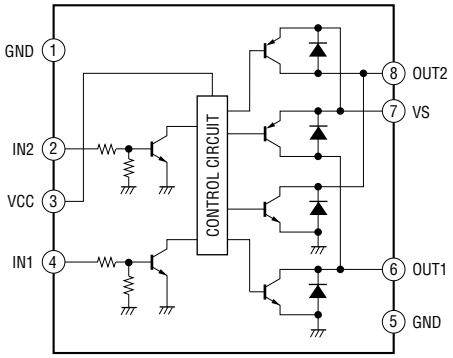
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ▭ : panel designation.
- B+ : B+ Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
- Voltages are taken with a VOM (input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.

• **IC Block Diagrams**

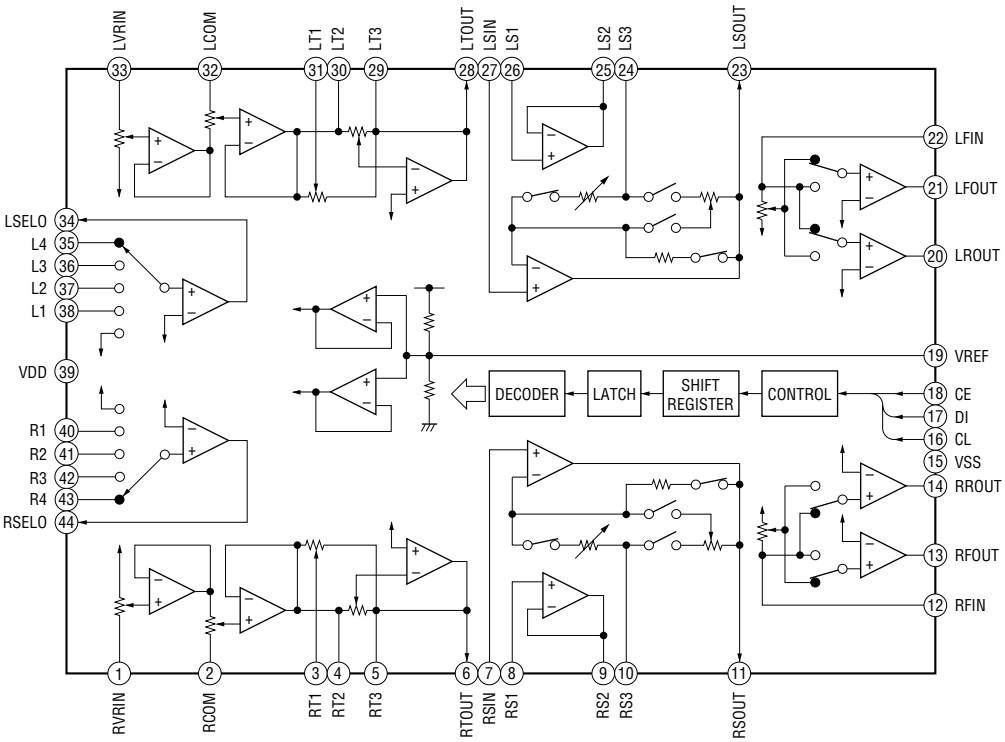
IC301 CXA2509AQ-T4



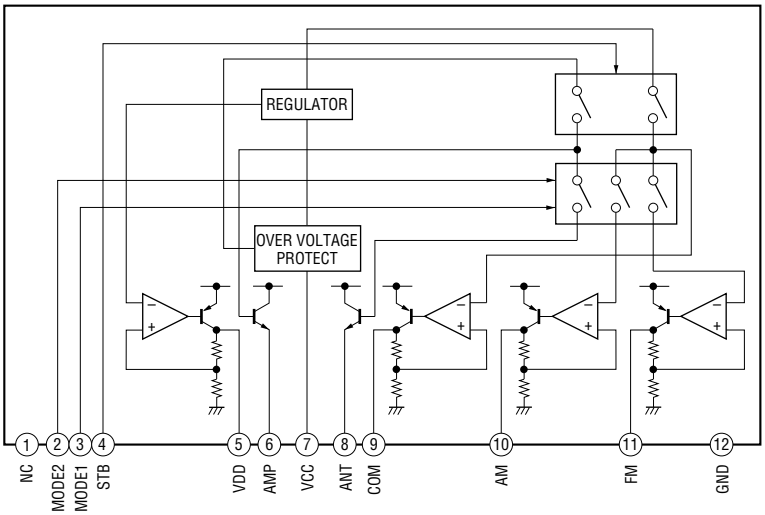
IC361 MM1322XFBE



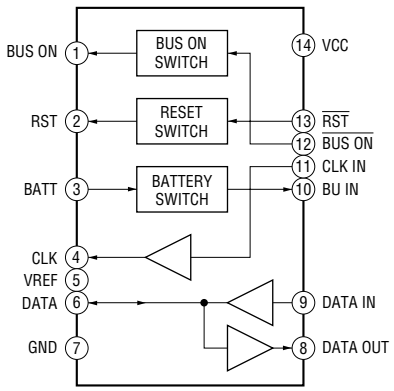
IC401 LC75373ED



IC601 BA3918-V2



IC701 BA8270F-E2

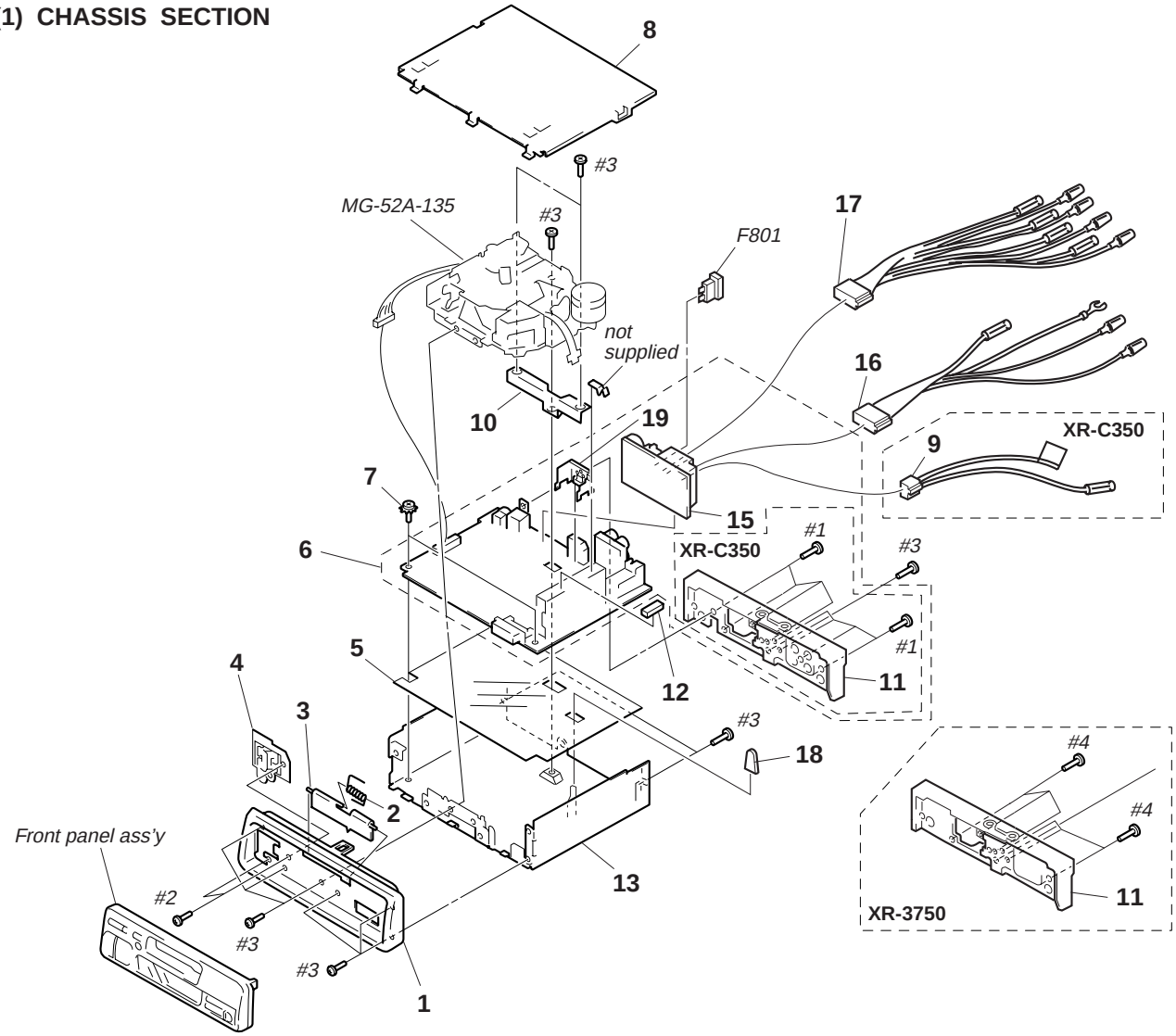


SECTION 7
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

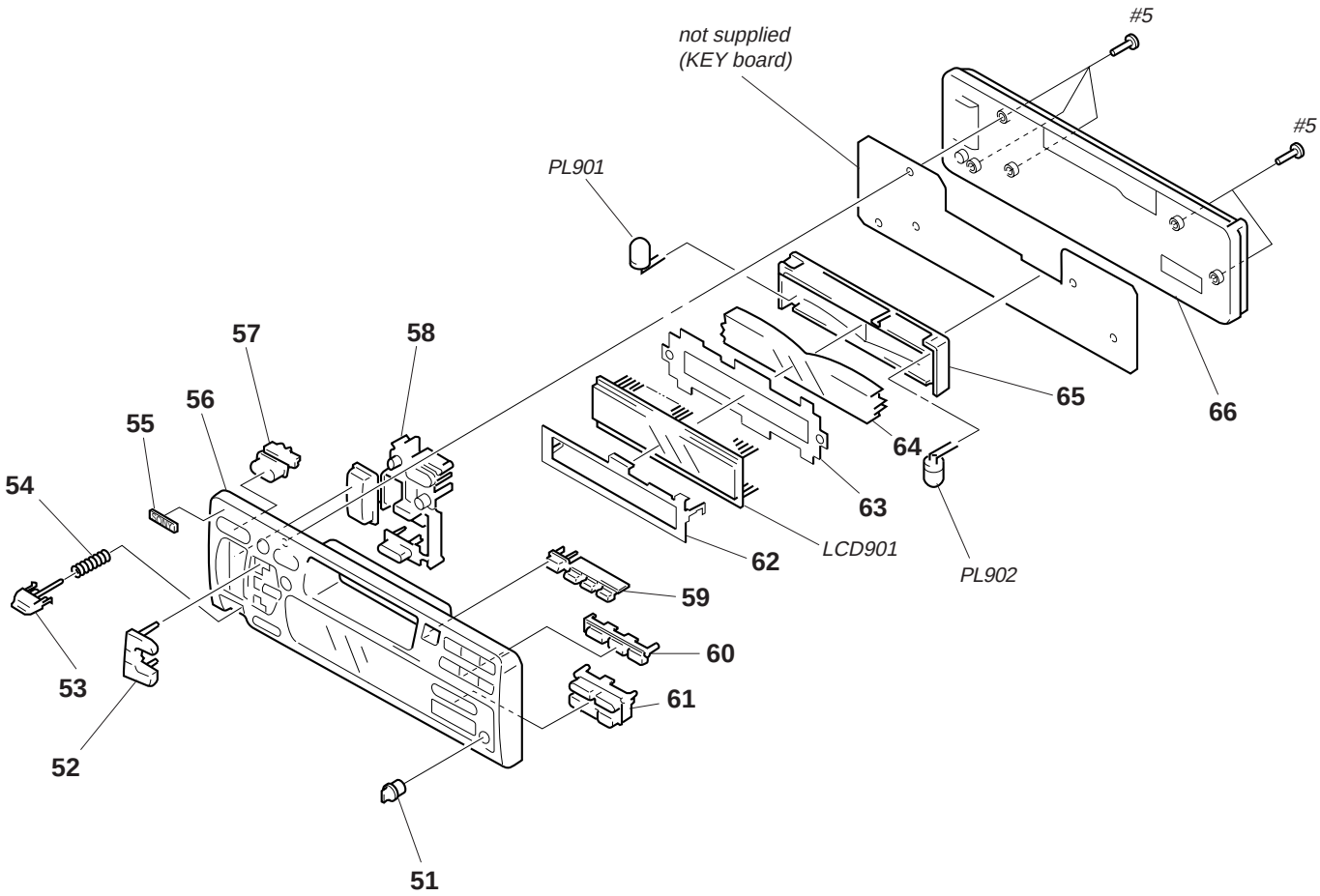
(1) CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
1	3-009-294-01	PANEL, SUB	
2	3-913-076-01	SPRING (C DOOR), TORSION (XR-C350)	
2	3-935-003-01	SPRING, TORSION (XR-3750)	
3	3-918-583-31	DOOR, CASSETTE (XR-C350)	
3	3-932-205-21	DOOR, CASSETTE (XR-3750)	
4	X-3367-636-1	LOCK ASSY	
* 5	3-010-376-01	INSULATOR (XR-3750)	
* 5	3-011-295-01	INSULATOR (MAIN) (XR-C350)	
* 6	A-3309-873-A	MAIN BOARD, COMPLETE (XR-C350: GREEN)	
* 6	A-3309-874-A	MAIN BOARD, COMPLETE (XR-C350: AMBER)	
* 6	A-3309-911-A	MAIN BOARD, COMPLETE (XR-3750)	
7	3-915-923-01	SCREW, GROUND POINT	
* 8	X-3373-203-1	COVER ASSY (XR-C350)	
* 8	X-3373-269-1	COVER ASSY (XR-3750)	
9	1-777-989-11	CORD (WITH CONNECTOR) (AMP/TEL MUTE) (XR-C350)	

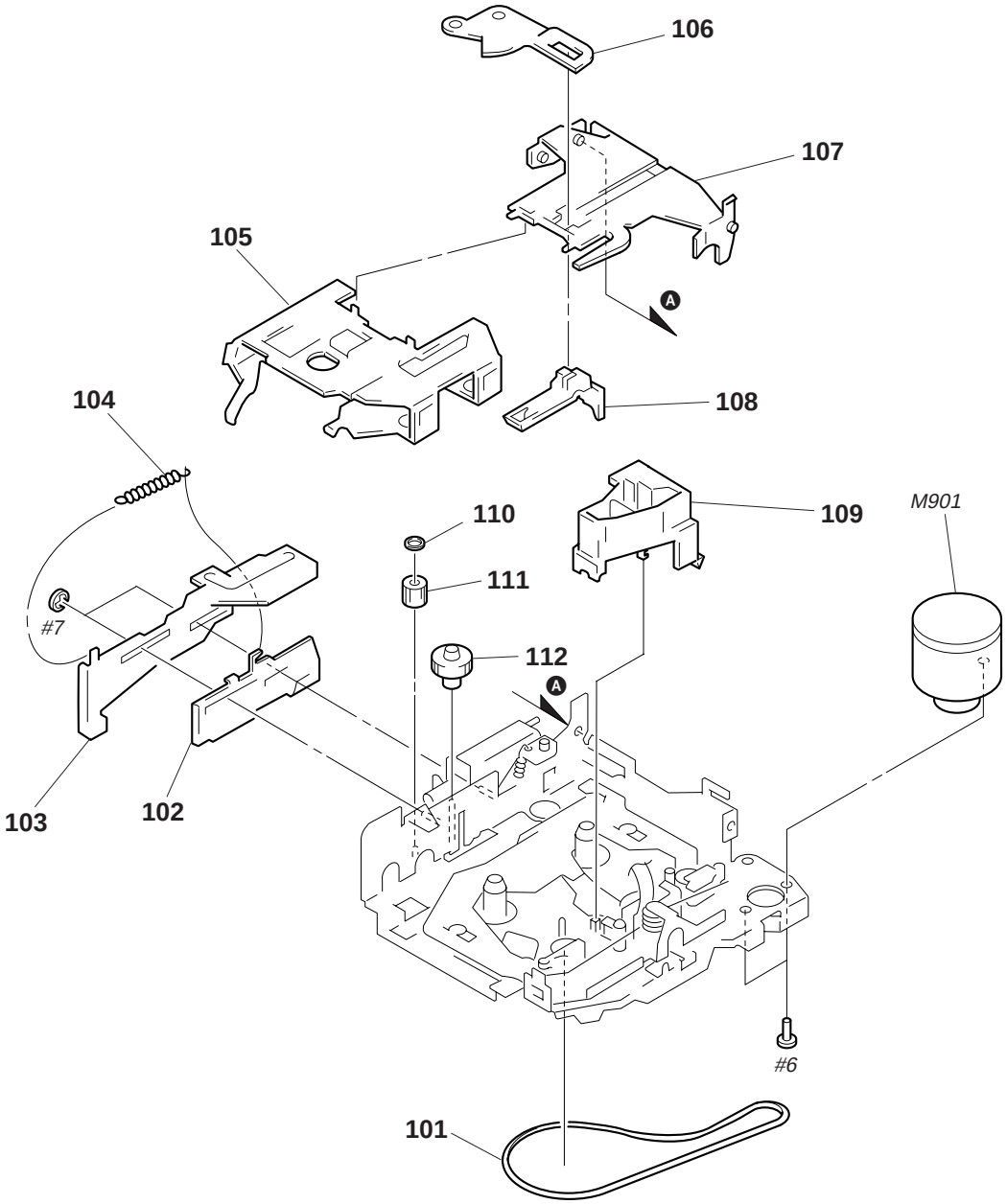
Ref. No.	Part No.	Description	Remark
* 10	3-012-264-01	BRACKET (52)	
* 11	3-009-293-01	HEAT SINK (XR-C350)	
* 11	3-010-471-01	HEAT SINK (XR-3750)	
12	9-911-840-XX	CUSHION (U)	
* 13	3-009-813-01	CHASSIS (XR-3750)	
* 13	3-010-075-01	CHASSIS (XR-C350)	
* 15	A-3309-752-A	CONNECTOR BOARD, COMPLETE (XR-C350)	
* 15	A-3309-913-A	CONNECTOR BOARD, COMPLETE (XR-3750)	
16	1-782-092-11	CORD (WITH CONNECTOR) (POWER)	
17	1-782-093-11	CORD (WITH CONNECTOR) (SPEAKER)	
* 18	3-012-860-01	CAP (52), RUBBER (XR-C350)	
* 19	3-009-816-01	BRACKET (IC) (ISO)	
F801	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)	

(2) FRONT PANEL SECTION



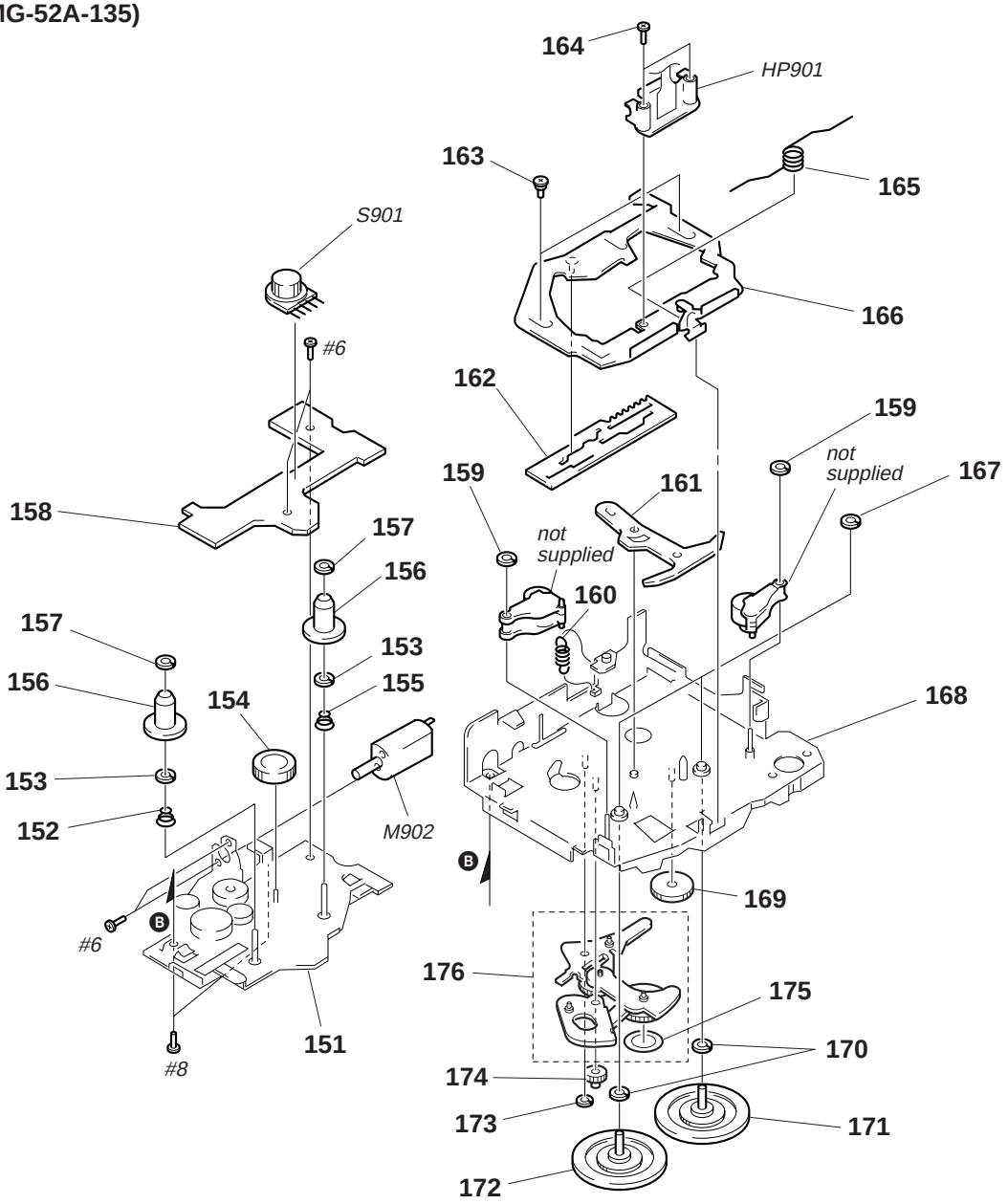
Ref. No.	Part No.	Description	Remark
51	3-009-301-01	BUTTON (BASS)	
52	3-009-299-01	BUTTON (L2) (+. –) (XR-C350)	
52	3-010-472-01	BUTTON (L2) (+. –) (XR-3750)	
53	3-009-304-01	BUTTON (RELEASE)	
54	3-375-373-01	SPRING (RELEASE) (XR-C350)	
54	3-932-475-01	SPRING (RELEASE) (XR-3750)	
55	3-904-194-01	EMBLEM (NO. 2.5), SONY (XR-C350)	
56	X-3373-664-1	PANEL SUB ASSY (XR-C350)	
56	X-3373-666-1	PANEL SUB ASSY (XR-3750)	
57	3-009-300-01	BUTTON (SOURCE)	
58	3-009-297-01	BUTTON (L) (+ ▶▶I ▶▶. SEEK AMS. I◀◀ ◀◀ –. ●. OFF. ● . SEL. MUTE) (XR-C350)	
58	3-009-867-01	BUTTON (L) (3) (+ ▶▶I ▶▶. SEEK AMS. I◀◀ ◀◀ –. ● . OFF. SEL. MUTE) (XR-3750)	
59	3-009-308-01	BUTTON (1-3) (⏏. 1. 2. 3) (XR-C350)	
59	3-010-473-01	BUTTON (1-3) (⏏. 1. 2. 3) (XR-3750)	
60	3-009-309-11	BUTTON (4-6) (4. 5. 6) (XR-C350)	
60	3-010-474-11	BUTTON (4-6) (4. 5. 6) (XR-3750)	
61	3-009-312-01	BUTTON (R) (B) (BTM. LCL. – DISC +)	(XR-C350)
61	3-009-315-01	BUTTON (R) (3) (BTM. LCL. ●) (XR-3750)	
* 62	3-010-282-01	PLATE (LCD), GROUND	
* 63	3-009-305-01	SHEET (REFLECTOR)	
* 64	3-009-302-01	PLATE (LCD), LIGHT GUIDE	
* 65	3-009-303-01	HOLDER (LCD)	
66	3-009-295-01	PANEL, FRONT BACK (XR-C350)	
66	3-010-519-01	PANEL, FRONT BACK (XR-3750)	
LCD901	1-801-586-11	DISPLAY PANEL, LIQUID CRYSTAL (XR-C350)	
LCD901	1-801-588-11	DISPLAY PANEL, LIQUID CRYSTAL (XR-3750)	
PL901	1-517-633-21	LAMP, PILOT (LCD BACK LIGHT)	
PL902	1-517-633-21	LAMP, PILOT (LCD BACK LIGHT)	

(3) MECHANISM DECK SECTION-1 (MG-52A-135)



Ref. No.	Part No.	Description	Remark
101	3-928-675-01	BELT (52)	
* 102	3-928-673-01	LEVER (LDG-A)	
103	3-928-674-01	LEVER (LDG-B)	
104	3-933-341-01	SPRING (LEVER LDG), TENSION	
105	3-928-671-01	HOUSING	
* 106	3-933-347-01	ARM (SUCTION)	
107	3-933-340-01	HANGER	
108	3-933-346-01	CATCHER	
109	3-933-344-01	GUIDE (C)	
110	3-341-753-11	WASHER, POLYETHYLENE	
111	3-933-335-01	GEAR (LDG-FT)	
112	3-928-667-01	GEAR (LDG-A)	
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	

(4) MECHANISM DECK SECTION-2 (MG-52A-135)



Ref. No.	Part No.	Description	Remark
151	X-3371-710-1	CHASSIS (S) ASSY	
152	3-933-337-01	SPRING (B-T-R), CONE COIL	
153	3-701-437-01	POLY-SLIDER (A)	
154	3-933-333-01	GEAR (LDG-E)	
155	3-933-339-01	SPRING (B-T-F), CONE COIL	
156	3-933-345-01	GEAR, REEL	
157	3-954-807-01	WASHER	
158	1-660-169-21	REEL BOARD	
159	3-341-752-11	WASHER, POLYETHYLENE	
160	3-933-336-01	SPRING (ARM HANGER), TENSION	
161	3-928-669-01	LEVER (PINCH SELECTION)	
162	3-928-668-01	LEVER (MODE)	
163	3-933-338-01	SCREW (HP), STEP	
164	3-927-100-01	SCREW (+PS 2X10), SPECIAL	
165	3-928-670-01	SPRING (PINCH PRESS)	
* 166	X-3371-712-1	PLATE SUB ASSY, HEAD	
167	3-364-151-01	WASHER	
* 168	X-3371-701-1	CHASSIS (M) SUB ASSY (A)	
169	X-3371-707-1	CLUTCH (PLAY) ASSY	
170	3-701-437-21	WASHER	
171	3-930-932-01	FLYWHEEL (F) (SEF)	
172	A-3291-667-A	CLUTCH (FR) ASSY	
173	3-321-813-01	WASHER, COTTER POLYETHYLENE	
174	3-933-343-01	GEAR (REVERSE)	
175	3-933-383-01	SEAL (32), REFLECTION	
176	X-3371-703-1	LEVER (GEAR) ASSY	
HP901	1-500-157-21	HEAD, MAGNETIC (PLAYBACK)	
M902	A-3291-664-A	MOTOR ASSY, SUB (LOADING/TAPE OPERATION)	
S901	1-692-885-11	SWITCH, ROTARY SLIDE (TAPE OPERATION)	

SECTION 8
ELECTRICAL PARTS LIST

CONNECTOR **KEY**

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
*	A-3309-752-A	CONNECTOR BOARD, COMPLETE (XR-C350)	
		**********	
		(Included in MAIN BOARD, COMPLETE)	
*	A-3309-913-A	CONNECTOR BOARD, COMPLETE (XR-3750)	
		**********	
		(Included in MAIN BOARD, COMPLETE)	
		< CONNECTOR >	
CN801	1-778-984-11	CONNECTOR	
CN802	1-778-985-11	PIN, CONNECTOR (ISO)	
		< DIODE >	
D801	8-719-049-38	DIODE 1N5404TU	
		< COIL >	
L801	1-416-046-11	COIL, CHOKE	
		< RESISTOR >	
R801	1-249-417-11	CARBON 1K 5% 1/4W	
R802	1-249-417-11	CARBON 1K 5% 1/4W	
R803	1-247-855-11	CARBON 10K 5% 1/4W	
		< SWITCH >	
S801	1-571-478-11	SWITCH, SLIDE (POWER SELECT)	
**********			
		KEY BOARD	
		**********	
*	3-009-302-01	PLATE (LCD), LIGHT GUIDE	
*	3-009-303-01	HOLDER (LCD)	
*	3-009-305-01	SHEET (REFLECTOR)	
*	3-010-282-01	PLATE (LCD), GROUND (XR-3750)	
		< CAPACITOR >	
C901	1-163-033-00	CERAMIC CHIP 0.022uF 50V	
C902	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C903	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C904	1-163-137-00	CERAMIC CHIP 680PF 5% 50V	
		< CONNECTOR >	
CNP901	1-764-423-11	PIN, CONNECTOR 12P	
		< DIODE >	
D901	8-719-420-90	DIODE MA8051-M (XR-3750)	
D901	8-719-976-99	DIODE DTZ5.1B (XR-C350)	
D902	8-719-105-99	DIODE RD6.2M-B1 (XR-C350)	
D902	8-719-422-64	DIODE MA8062-M (XR-3750)	
D903	8-719-105-99	DIODE RD6.2M-B1 (XR-C350)	
D903	8-719-422-64	DIODE MA8062-M (XR-3750)	
D904	8-719-105-99	DIODE RD6.2M-B1 (XR-C350)	
D904	8-719-422-64	DIODE MA8062-M (XR-3750)	
D905	8-719-105-99	DIODE RD6.2M-B1 (XR-C350)	
D905	8-719-422-64	DIODE MA8062-M (XR-3750)	
		< IC >	
IC901	8-759-443-68	IC LC75834JED	
		< CHIP CONDUCTOR >	
JC901	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC902	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC951	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC952	1-216-296-00	CONDUCTOR, CHIP (3216)	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-801-586-11	DISPLAY PANEL, LIQUID CRYSTAL (XR-C350)	
LCD901	1-801-588-11	DISPLAY PANEL, LIQUID CRYSTAL (XR-3750)	
		< SWITCH >	
LSW901	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (OFF)	(AMBER)
LSW901	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (OFF)	(GREEN)
LSW902	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(AMBER)
LSW902	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(GREEN)
LSW903	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (MODE)	(AMBER)
LSW903	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (MODE)	(GREEN)
LSW904	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (+ ▶▶I ▶▶: SEEK/AMS)	(AMBER)
LSW904	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (+ ▶▶I ▶▶: SEEK/AMS)	(GREEN)
LSW905	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (– I◀◀ ◀◀: SEEK/AMS)	(AMBER)
LSW905	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (– I◀◀ ◀◀: SEEK/AMS)	(GREEN)
LSW906	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (–)	(AMBER)
LSW906	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (–)	(GREEN)

KEY

Ref. No.	Part No.	Description	Remark
LSW907	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (SEL)	(AMBER)
LSW907	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (SEL)	(GREEN)
LSW908	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (+)	(AMBER)
LSW908	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (+)	(GREEN)
LSW909	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (MUTE)	(AMBER)
LSW909	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (MUTE)	(GREEN)
LSW910	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (DSPL)	(AMBER)
LSW910	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (DSPL)	(GREEN)
LSW911	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (BTM)	(AMBER)
LSW911	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (BTM)	(GREEN)
LSW912	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (LCL)	(AMBER)
LSW912	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (LCL)	(GREEN)
LSW921	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (⏏)	(AMBER)
LSW921	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (⏏)	(GREEN)
LSW922	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (1/INTRO)	(AMBER)
LSW922	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (1/INTRO)	(GREEN)
LSW923	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (2/REPEAT)	(AMBER)
LSW923	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (2/REPEAT)	(GREEN)
LSW924	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (3)	(XR-3750: AMBER)
LSW924	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (3/SHUF)	(XR-C350: AMBER)
LSW924	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (3)	(XR-3750: GREEN)
LSW924	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (3/SHUF)	(XR-C350: GREEN)
LSW925	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (6/BL.SKIP)	(AMBER)
LSW925	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (6/BL.SKIP)	(GREEN)
LSW926	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (5/ATA)	(AMBER)
LSW926	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (5/ATA)	(GREEN)
LSW927	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (4/MTL)	(AMBER)
LSW927	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (4/MTL)	(GREEN)
LSW929	1-762-617-11	SWITCH, KEY BOARD (WITH LED)	(+: DISC/PRESET) (XR-C350: AMBER)
LSW929	1-762-619-11	SWITCH, KEY BOARD (WITH LED)	(+: DISC/PRESET) (XR-C350: GREEN)
LSW930	1-762-617-11	SWITCH, KEY BOARD (WITH LED)	(–: DISC/PRESET) (XR-C350: AMBER)
LSW930	1-762-617-11	SWITCH, KEY BOARD (WITH LED) (DSPL)	(XR-3750: AMBER)
LSW930	1-762-619-11	SWITCH, KEY BOARD (WITH LED)	(–: DISC/PRESET) (XR-C350: GREEN)
LSW930	1-762-619-11	SWITCH, KEY BOARD (WITH LED) (DSPL)	(XR-3750: GREEN)

< PILOT LAMP >

Ref. No.	Part No.	Description	Remark
PL901	1-517-633-21	LAMP, PILOT	
PL902	1-517-633-21	LAMP, PILOT	

< RESISTOR >

Ref. No.	Part No.	Description			Remark
R901	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R902	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R903	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R904	1-208-437-41	METAL CHIP	1K	2%	1/10W
R905	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R906	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R907	1-208-445-41	METAL CHIP	2.2K	2%	1/10W
R908	1-208-449-41	METAL CHIP	3.3K	2%	1/10W
R909	1-208-453-41	METAL CHIP	4.7K	2%	1/10W (XR-C350)
R910	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W (XR-C350)
R911	1-208-462-41	METAL CHIP	10K	2%	1/10W
R921	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R922	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R923	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R924	1-208-437-41	METAL CHIP	1K	2%	1/10W
R925	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R926	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R927	1-208-445-41	METAL CHIP	2.2K	2%	1/10W (XR-C350)
R928	1-208-449-41	METAL CHIP	3.3K	2%	1/10W (XR-C350)
R929	1-208-453-41	METAL CHIP	4.7K	2%	1/10W (XR-C350)
R941	1-208-445-41	METAL CHIP	2.2K	2%	1/10W (XR-3750)
R942	1-208-445-41	METAL CHIP	2.2K	2%	1/10W (XR-3750)
R951	1-216-041-00	METAL CHIP	470	5%	1/10W
R952	1-216-089-00	METAL CHIP	47K	5%	1/10W
R953	1-216-049-11	METAL CHIP	1K	5%	1/10W
R954	1-216-049-11	METAL CHIP	1K	5%	1/10W
R955	1-216-049-11	METAL CHIP	1K	5%	1/10W
R956	1-216-049-11	METAL CHIP	1K	5%	1/10W
R961	1-216-027-00	METAL CHIP	120	5%	1/10W (XR-C350: GREEN)
R961	1-216-033-00	METAL CHIP	220	5%	1/10W (XR-C350: AMBER)
R962	1-216-025-00	METAL CHIP	100	5%	1/10W (GREEN)
R962	1-216-031-00	METAL CHIP	180	5%	1/10W (AMBER)
R963	1-216-031-00	METAL CHIP	180	5%	1/10W (AMBER)
R963	1-216-033-00	METAL CHIP	220	5%	1/10W (GREEN)
R964	1-216-035-00	METAL CHIP	270	5%	1/10W (GREEN)

Ref. No.	Part No.	Description			Remark
R964	1-216-037-00	METAL CHIP	330	5%	1/10W (AMBER)
R965	1-216-035-00	METAL CHIP	270	5%	1/10W (GREEN)
R965	1-216-037-00	METAL CHIP	330	5%	1/10W (AMBER)
R966	1-216-025-00	METAL CHIP	100	5%	1/10W (XR-C350: GREEN)
R966	1-216-035-00	METAL CHIP	270	5%	1/10W (XR-C350: AMBER)
R967	1-216-035-00	METAL CHIP	270	5%	1/10W (XR-3750: GREEN)
R967	1-216-037-00	METAL CHIP	330	5%	1/10W (XR-3750: AMBER)
R968	1-216-033-00	METAL CHIP	220	5%	1/10W (XR-3750: GREEN)
R968	1-216-035-00	METAL CHIP	270	5%	1/10W (XR-3750: AMBER)
R981	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R982	1-208-449-41	METAL CHIP	3.3K	2%	1/10W
R983	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R984	1-216-081-00	METAL CHIP	22K	5%	1/10W
		< SWITCH >			
SW951	1-762-937-11	SWITCH, ROTARY (D-BASS)			
**********					
*	A-3309-873-A	MAIN BOARD, COMPLETE (XR-C350: GREEN)			
		**********			
*	A-3309-874-A	MAIN BOARD, COMPLETE (XR-C350: AMBER)			
		**********			
*	A-3309-911-A	MAIN BOARD, COMPLETE (XR-3750)			
		**********			
*	3-009-293-01	HEAT SINK (XR-C350)			
*	3-009-816-01	BRACKET (IC) (ISO)			
*	3-010-471-01	HEAT SINK (XR-3750)			
	7-685-793-09	SCREW +PTT 2.6X8 (S) (XR-C350)			
	7-685-794-09	SCREW +PTT 2.6X10 (S) (XR-3750)			
		< CAPACITOR >			
C1	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V (XR-C350)
C2	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V (XR-3750)
C3	1-124-234-00	ELECT	22uF	20%	16V
C4	1-124-234-00	ELECT	22uF	20%	16V
C5	1-124-234-00	ELECT	22uF	20%	16V
C6	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C7	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C8	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C9	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C11	1-126-160-11	ELECT	1uF	20%	50V
C13	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C14	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C15	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C16	1-124-589-11	ELECT	47uF	20%	16V
C17	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C18	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C19	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V

Ref. No.	Part No.	Description			Remark
C23	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (XR-C350)
C23	1-216-295-00	CONDUCTOR, CHIP		(2012)	(XR-3750)
C24	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C25	1-124-589-11	ELECT	47uF	20%	16V
C27	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C101	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C102	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C104	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C105	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C106	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C107	1-126-163-11	ELECT	4.7uF	20%	50V
C108	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C121	1-164-232-11	CERAMIC CHIP	0.01uF	10%	50V
C122	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C123	1-216-295-00	CONDUCTOR, CHIP		(2012)	
C141	1-126-157-11 (XR-C350)	ELECT	10uF	20%	16V
C142	1-163-251-11 (XR-C350)	CERAMIC CHIP	100PF	5%	50V
C151	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C153	1-124-257-00	ELECT	2.2uF	20%	50V
C161	1-126-160-11	ELECT	1uF	20%	50V
C162	1-126-160-11	ELECT	1uF	20%	50V
C163	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C164	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C165	1-126-157-11	ELECT	10uF	20%	16V
C166	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C167	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C168	1-126-157-11	ELECT	10uF	20%	16V
C171	1-126-163-11	ELECT	4.7uF	20%	50V
C181	1-126-163-11	ELECT	4.7uF	20%	50V
C182	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (XR-C350)
C191	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C192	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C193	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C201	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C202	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C204	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C205	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C206	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C207	1-126-163-11	ELECT	4.7uF	20%	50V
C208	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C241	1-126-157-11	ELECT	10uF	20%	16V (XR-C350)
C242	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (XR-C350)
C251	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C253	1-124-257-00	ELECT	2.2uF	20%	50V
C261	1-126-160-11	ELECT	1uF	20%	50V
C262	1-126-160-11	ELECT	1uF	20%	50V
C263	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C264	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C265	1-126-157-11	ELECT	10uF	20%	16V
C266	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C267	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C268	1-126-157-11	ELECT	10uF	20%	16V

MAIN

Ref. No.	Part No.	Description			Remark
C271	1-126-163-11	ELECT	4.7uF	20%	50V
C281	1-126-163-11	ELECT	4.7uF	20%	50V
C282	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (XR-C350)
C291	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C292	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C293	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C301	1-124-234-00	ELECT	22uF	20%	16V
C303	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C305	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C306	1-164-232-11	CERAMIC CHIP	0.01uF	10%	50V
C307	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C351	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C352	1-124-584-00	ELECT	100uF	20%	10V
C354	1-126-157-11	ELECT	10uF	20%	16V
C355	1-124-234-00	ELECT	22uF	20%	16V
C356	1-126-934-11	ELECT	220uF	20%	16V
C362	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C401	1-124-584-00	ELECT	100uF	20%	10V
C402	1-124-234-00	ELECT	22uF	20%	16V
C501	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C502	1-163-091-00	CERAMIC CHIP	8PF		50V
C503	1-126-157-11	ELECT	10uF	20%	16V
C504	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C505	1-124-589-11	ELECT	47uF	20%	16V
C506	1-124-257-00	ELECT	2.2uF	20%	50V
C507	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C509	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C510	1-115-589-11	ELECT(BLOCK)	0.047uF		5.5V
C511	1-128-057-11	ELECT	330uF	20%	6.3V
C512	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C514	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C515	1-124-584-00	ELECT	100uF	20%	10V
C517	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C561	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C562	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C601	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C602	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C603	1-126-157-11	ELECT	10uF	20%	16V
C604	1-124-234-00	ELECT	22uF	20%	16V
C605	1-126-157-11	ELECT	10uF	20%	16V
C606	1-124-589-11	ELECT	47uF	20%	16V
C607	1-124-589-11	ELECT	47uF	20%	16V
C608	1-124-234-00	ELECT	22uF	20%	16V
C701	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (XR-C350)
C702	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V (XR-C350)
C703	1-164-232-11	CERAMIC CHIP	0.01uF		50V (XR-C350)
C704	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C705	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (XR-C350)
C707	1-126-163-11	ELECT	4.7uF	20%	50V
C735	1-136-165-00	FILM	0.1uF	5%	50V
C736	1-136-165-00	FILM	0.1uF	5%	50V
C745	1-136-165-00	FILM	0.1uF	5%	50V
C746	1-136-165-00	FILM	0.1uF	5%	50V
C751	1-164-506-11	CERAMIC CHIP	4.7uF		16V
C752	1-126-096-11	ELECT	10uF	20%	25V

Ref. No.	Part No.	Description			Remark
C753	1-136-173-00	FILM	0.47uF	5%	50V
C754	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C755	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C775	1-136-165-00	FILM	0.1uF	5%	50V
C776	1-136-165-00	FILM	0.1uF	5%	50V
C785	1-136-165-00	FILM	0.1uF	5%	50V
C786	1-136-165-00	FILM	0.1uF	5%	50V
C801	1-126-936-11	ELECT	3300uF	20%	16V
C802	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C803	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C851	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C854	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN301	1-766-260-11	CONNECTOR, FFC/FPC (ZIF) 7P (XR-C350)			
CN301	1-766-269-11	PIN, CONNECTOR (PC BOARD) 7P (XR-3750)			
* CN351	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P			
CN401	1-774-699-12	JACK, PIN 4P (BUS AUDIO IN/LINE OUT) (XR-C350)			
CN602	1-764-422-11	PLUG, CONNECTOR 12P			
CN701	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN) (XR-C350)			
		< CONPOSITION CIRCUIT BLOCK >			
CP1	1-519-504-11	GAP, DISCHARGE			
		< DIODE >			
D1	8-719-991-65	DIODE SB02W03C			
D2	8-719-010-34	DIODE UZ-4.7BSC			
D3	8-719-110-17	DIODE RD10ESB2			
D301	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D301	8-719-991-33	DIODE 1SS133T-77 (XR-3750)			
D351	8-719-929-15	DIODE MTZJ-T-77-9.1B			
D352	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D352	8-719-991-33	DIODE 1SS133T-77 (XR-3750)			
D501	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D501	8-719-991-33	DIODE 1SS133T-77 (XR-3750)			
D502	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D502	8-719-991-33	DIODE 1SS133T-77 (XR-3750)			
D503	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D503	8-719-991-33	DIODE 1SS133T-77 (XR-3750)			
D504	8-719-109-72	DIODE RD3.9ES-B2			
D505	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D519	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D519	8-719-991-33	DIODE 1SS133T-77 (XR-3750)			
D520	8-719-061-42	DIODE 1N4148S-26TP (XR-C350)			
D520	8-719-991-33	DIODE 1SS133T-77 (XR-3750)			
D561	8-719-929-15	DIODE MTZJ-T-77-9.1B			
D601	8-719-110-23	DIODE RD11ES-B3			
D701	8-719-923-93	DIODE MTZJ-T-77-16C			
D702	8-719-110-03	DIODE RD7.5ESB2 (XR-C350)			
D703	8-719-921-54	DIODE MTZJ-6.2B (XR-C350)			
D704	8-719-921-54	DIODE MTZJ-6.2B (XR-C350)			
D705	8-719-921-54	DIODE MTZJ-6.2B (XR-C350)			
D706	8-719-110-03	DIODE RD7.5ESB2 (XR-3750)			
D707	8-719-110-03	DIODE RD7.5ESB2			
D802	8-719-200-02	DIODE 10E2 (XR-3750)			
D802	8-719-970-02	DIODE 1SR139-400 (XR-C350)			
D803	8-719-200-02	DIODE 10E2 (XR-3750)			

Ref. No.	Part No.	Description	Remark
D803	8-719-970-02	DIODE 1SR139-400 (XR-C350)	
D851	8-719-921-54	DIODE MTZJ-6.2B	
D852	8-719-921-54	DIODE MTZJ-6.2B	
D853	8-719-921-54	DIODE MTZJ-6.2B	
D854	8-719-921-54	DIODE MTZJ-6.2B	
D855	8-719-921-54	DIODE MTZJ-6.2B	
D856	8-719-921-54	DIODE MTZJ-6.2B	
D857	8-719-923-93	DIODE MTZJ-T-77-16C	
D858	8-719-921-54	DIODE MTZJ-6.2B	
D859	8-719-921-54	DIODE MTZJ-6.2B	
		< IC >	
IC301	8-752-079-78	IC CXA2509AQ-T4	
IC361	8-759-395-97	IC MM1322XFBE	
IC401	8-759-443-67	IC LC75373ED	
IC501	8-759-449-88	IC uPD17708GC-535-3B9	
IC502	8-759-363-81	IC XC61AN4002PR	
IC601	8-759-347-49	IC BA3918-V2	
IC701	8-759-449-89	IC BA8270F-E2 (XR-C350)	
IC751	8-759-369-41	IC HA13155	
		< JACK >	
J1	1-764-808-14	JACK (ANT) (ANT IN)	
J501	1-764-270-21	JACK (REMOTE IN)	
		< CHIP CONDUCTOR >	
JC1	1-216-296-00	CONDUCTOR, CHIP (3216) (XR-C350)	
JC2	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC3	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC4	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC5	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC6	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC7	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC8	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC9	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC10	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC11	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC12	1-216-296-00	CONDUCTOR, CHIP (3216)	
JC13	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC14	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC15	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC16	1-216-295-00	CONDUCTOR, CHIP (2012)	
JC17	1-216-295-00	CONDUCTOR, CHIP (2012)	
		< COIL >	
L501	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q1	8-729-027-23	TRANSISTOR DTA114EKA	
Q2	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4	8-729-025-28	TRANSISTOR 2SK1828	
Q171	8-729-920-21	TRANSISTOR DTC314TKH04	
Q181	8-729-920-21	TRANSISTOR DTC314TKH04	
Q271	8-729-920-21	TRANSISTOR DTC314TKH04	
Q281	8-729-920-21	TRANSISTOR DTC314TKH04	
Q351	8-729-015-11	TRANSISTOR 2SD1802FAST-TL	
Q352	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q353	8-729-900-53	TRANSISTOR DTC114EK	
Q354	8-729-106-60	TRANSISTOR 2SB1115A	
Q355	8-729-900-53	TRANSISTOR DTC114EK	
Q501	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q503	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q601	8-729-030-18	TRANSISTOR 2SD2525	
Q602	8-729-030-18	TRANSISTOR 2SD2525	
Q603	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q604	8-729-900-53	TRANSISTOR DTC114EK	
Q701	8-729-900-53	TRANSISTOR DTC114EK	
Q702	8-729-900-53	TRANSISTOR DTC114EK (XR-3750)	
Q703	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q704	8-729-027-23	TRANSISTOR DTA114EKA-T146 (XR-3750)	
		< RESISTOR >	
R1	1-249-417-11	CARBON 1K 5% 1/4W	
R2	1-249-417-11	CARBON 1K 5% 1/4W	
R3	1-249-417-11	CARBON 1K 5% 1/4W	
R4	1-247-843-11	CARBON 3.3K 5% 1/4W	
R6	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R7	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R8	1-216-093-00	METAL CHIP 68K 5% 1/10W	
R9	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R10	1-216-049-11	METAL CHIP 1K 5% 1/10W	
R11	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R12	1-249-421-11	CARBON 2.2K 5% 1/4W	
R14	1-216-065-00	METAL CHIP 4.7K 5% 1/10W (XR-3750)	
R14	1-249-429-11	CARBON 10K 5% 1/4W (XR-C350)	
R15	1-216-025-00	METAL CHIP 100 5% 1/10W (XR-3750)	
R15	1-216-029-00	METAL CHIP 150 5% 1/10W (XR-C350)	
R16	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R101	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R102	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R103	1-216-041-00	METAL CHIP 470 5% 1/10W	
R104	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R105	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R106	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R107	1-216-214-00	METAL CHIP 4.7K 5% 1/8W	
R108	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R119	1-216-065-00	METAL CHIP 4.7K 5% 1/10W (XR-C350)	
R121	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R141	1-216-073-00	METAL CHIP 10K 5% 1/10W (XR-C350)	
R151	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R152	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R161	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R171	1-216-182-00	METAL CHIP 220 5% 1/8W	
R172	1-216-057-00	METAL CHIP 2.2K 5% 1/10W (XR-3750)	
R172	1-216-065-00	METAL CHIP 4.7K 5% 1/10W (XR-C350)	
R173	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R174	1-216-121-91	METAL CHIP 1M 5% 1/10W	
R181	1-247-815-91	CARBON 220 5% 1/4W	
R182	1-216-057-00	METAL CHIP 2.2K 5% 1/10W (XR-3750)	

MAIN

Ref. No.	Part No.	Description			Remark
R182	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (XR-C350)
R183	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R184	1-216-121-91	METAL CHIP	1M	5%	1/10W
R201	1-216-097-00	METAL CHIP	100K	5%	1/10W
R202	1-216-097-00	METAL CHIP	100K	5%	1/10W
R203	1-216-041-00	METAL CHIP	470	5%	1/10W
R204	1-216-109-00	METAL CHIP	330K	5%	1/10W
R205	1-216-077-00	METAL CHIP	15K	5%	1/10W
R206	1-216-079-00	METAL CHIP	18K	5%	1/10W
R207	1-216-214-00	METAL CHIP	4.7K	5%	1/8W
R208	1-216-081-00	METAL CHIP	22K	5%	1/10W
R219	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (XR-C350)
R241	1-216-073-00	METAL CHIP	10K	5%	1/10W (XR-C350)
R251	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R252	1-216-073-00	METAL CHIP	10K	5%	1/10W
R261	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R271	1-216-033-00	METAL CHIP	220	5%	1/10W
R272	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (XR-3750)
R272	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (XR-C350)
R273	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R274	1-216-121-91	METAL CHIP	1M	5%	1/10W
R281	1-216-033-00	METAL CHIP	220	5%	1/10W
R282	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (XR-3750)
R282	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (XR-C350)
R283	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R284	1-216-121-91	METAL CHIP	1M	5%	1/10W
R301	1-216-079-00	METAL CHIP	18K	5%	1/10W
R302	1-216-097-00	METAL CHIP	100K	5%	1/10W
R303	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R304	1-216-079-00	METAL CHIP	18K	5%	1/10W
R305	1-216-073-11	METAL CHIP	10K	5%	1/10W
R306	1-216-073-11	METAL CHIP	10K	5%	1/10W
R307	1-249-429-11	CARBON	10K	5%	1/4W
R308	1-216-109-00	METAL CHIP	330K	5%	1/10W
R351	1-216-049-11	METAL CHIP	1K	5%	1/10W
R352	1-249-385-11	CARBON	2.2	5%	1/6W
R354	1-216-073-00	METAL CHIP	10K	5%	1/10W
R355	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R360	1-216-150-91	METAL CHIP	10	5%	1/8W
R401	1-249-393-11	CARBON	10	5%	1/4W
R501	1-216-097-00	METAL CHIP	100K	5%	1/10W
R502	1-216-073-00	METAL CHIP	10K	5%	1/10W
R503	1-216-097-00	METAL CHIP	100K	5%	1/10W
R504	1-216-246-00	METAL CHIP	100K	5%	1/8W
R508	1-216-073-00	METAL CHIP	10K	5%	1/10W
R509	1-216-222-00	METAL CHIP	10K	5%	1/8W
R511	1-216-097-00	METAL CHIP	100K	5%	1/10W
R512	1-216-049-11	METAL CHIP	1K	5%	1/10W
R513	1-216-049-11	METAL CHIP	1K	5%	1/10W
R514	1-216-049-11	METAL CHIP	1K	5%	1/10W
R515	1-216-097-00	METAL CHIP	100K	5%	1/10W
R516	1-216-097-00	METAL CHIP	100K	5%	1/10W
R517	1-216-097-00	METAL CHIP	100K	5%	1/10W
R518	1-216-097-00	METAL CHIP	100K	5%	1/10W
R519	1-216-097-00	METAL CHIP	100K	5%	1/10W
R520	1-216-097-00	METAL CHIP	100K	5%	1/10W
R521	1-216-097-00	METAL CHIP	100K	5%	1/10W
R522	1-216-097-00	METAL CHIP	100K	5%	1/10W
R523	1-216-097-00	METAL CHIP	100K	5%	1/10W
R524	1-216-097-00	METAL CHIP	100K	5%	1/10W
R525	1-216-097-00	METAL CHIP	100K	5%	1/10W
R526	1-216-097-00	METAL CHIP	100K	5%	1/10W (XR-C350: GREEN)
R527	1-216-097-00	METAL CHIP	100K	5%	1/10W
R529	1-216-097-00	METAL CHIP	100K	5%	1/10W
R530	1-216-097-00	METAL CHIP	100K	5%	1/10W
R531	1-249-429-11	CARBON	10K	5%	1/4W
R533	1-216-097-00	METAL CHIP	100K	5%	1/10W
R534	1-249-417-11	CARBON	1K	5%	1/4W
R535	1-249-417-11	CARBON	1K	5%	1/4W
R536	1-216-097-00	METAL CHIP	100K	5%	1/10W
R538	1-249-413-11	CARBON	470	5%	1/4W
R539	1-249-413-11	CARBON	470	5%	1/4W
R543	1-249-413-11	CARBON	470	5%	1/4W
R544	1-216-097-00	METAL CHIP	100K	5%	1/10W
R545	1-249-413-11	CARBON	470	5%	1/4W
R546	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R547	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R548	1-216-097-00	METAL CHIP	100K	5%	1/10W
R549	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R550	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R551	1-216-025-00	METAL CHIP	100	5%	1/10W
R552	1-216-025-00	METAL CHIP	100	5%	1/10W
R553	1-216-097-00	METAL CHIP	100K	5%	1/10W
R554	1-216-295-00	CONDUCTOR, CHIP			(2012)
R556	1-249-417-11	CARBON	1K	5%	1/4W
R561	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R562	1-249-429-11	CARBON	10K	5%	1/4W
R568	1-216-097-00	METAL CHIP	100K	5%	1/10W
R570	1-216-097-00	METAL CHIP	100K	5%	1/10W (XR-C350: AMBER/XR-3750)
R571	1-216-097-00	METAL CHIP	100K	5%	1/10W
R572	1-216-097-00	METAL CHIP	100K	5%	1/10W
R601	1-249-393-11	CARBON	10	5%	1/4W
R602	1-249-393-11	CARBON	10	5%	1/4W
R603	1-216-186-00	METAL CHIP	330	5%	1/8W
R701	1-216-295-00	CONDUCTOR, CHIP			(2012)
R702	1-249-401-11	CARBON	47	5%	1/4W (XR-C350)
R703	1-216-073-00	METAL CHIP	10K	5%	1/10W (XR-C350)
R704	1-216-025-00	METAL CHIP	100	5%	1/10W (XR-C350)
R705	1-216-025-00	METAL CHIP	100	5%	1/10W (XR-C350)
R706	1-216-097-00	METAL CHIP	100K	5%	1/10W (XR-3750)
R708	1-216-113-00	METAL CHIP	470K	5%	1/10W (XR-3750)
R709	1-216-073-00	METAL CHIP	10K	5%	1/10W (XR-3750)
R711	1-216-097-00	METAL CHIP	100K	5%	1/10W
R712	1-216-089-00	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R713	1-216-089-00	METAL CHIP	47K	5%	1/10W
R714	1-249-421-11	CARBON	2.2K	5%	1/4W
R735	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R736	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R745	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R746	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R775	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R776	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R785	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R786	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R851	1-216-025-00	METAL CHIP	100	5%	1/10W
R852	1-216-025-00	METAL CHIP	100	5%	1/10W
R853	1-216-041-00	METAL CHIP	470	5%	1/10W
R854	1-216-041-00	METAL CHIP	470	5%	1/10W
R855	1-216-041-00	METAL CHIP	470	5%	1/10W
R856	1-216-041-00	METAL CHIP	470	5%	1/10W
R857	1-216-049-11	METAL CHIP	1K	5%	1/10W
R858	1-216-025-00	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S503	1-571-532-21	SWITCH, TACTILE (RESET) (XR-C350)			
S503	1-692-431-21	SWITCH, TACTILE (RESET) (XR-3750)			
		< TUNER >			
TU1	A-3282-028-A	TUNER UNIT TUX-006/2 (E) (XR-C350)			
TU1	1-693-373-11	TUNER UNIT (XR-3750)			
		< VIBRATOR >			
X501	1-578-785-11	VIBRATOR, CRYSTAL (4.5MHz)			
**********					
		MISCELLANEOUS			
		**********			
9	1-777-989-11	CORD (WITH CONNECTOR)(AMP/TEL MUTE) (XR-C350)			
16	1-782-092-11	CORD (WITH CONNECTOR) (POWER)			
17	1-782-093-11	CORD (WITH CONNECTOR) (SPEAKER)			
158	1-660-169-21	REEL BOARD			
F801	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)			
HP901	1-500-157-21	HEAD, MAGNETIC (PLAYBACK)			
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)			
M902	A-3291-664-A	MOTOR ASSY, SUB (LOADING/TAPE OPERATION)			
S901	1-692-885-11	SWITCH, ROTARY SLIDE (TAPE OPERATION)			
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		**********			
		HARDWARE LIST			
		**********			
#1	7-685-793-09	SCREW +PTT 2.6X8 (S)			
#2	7-621-772-10	SCREW +B 2X4			
#3	7-685-792-09	SCREW +PTT 2.6X6 (S)			
#4	7-685-794-09	SCREW +PTT 2.6X10 (S) (XR-3750)			
#5	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT			
#6	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3			
#7	7-624-104-04	STOP RING 2.0, TYPE-E			
#8	7-628-253-00	SCREW +PS 2X4			
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Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	X-3373-371-1	CASE ASSY (for FRONT PANEL) (XR-3750)	
	X-3373-386-1	CASE ASSY (for FRONT PANEL) (XR-C350)	
	1-473-067-31	REMOTE COMMANDER (RM-X2S) (XR-C350)	
	3-859-578-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (XR-C350: G)	
	3-859-578-21	MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) (XR-C350: AEP, UK)	
	3-859-579-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (XR-C350: G)	
	3-859-579-21	MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) (XR-C350: AEP, UK)	
	3-859-576-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (XR-3750: AEP, UK)	
	3-859-576-21	MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) (XR-3750: AEP)	
	3-859-577-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (XR-3750: AEP, UK)	
	3-859-577-21	MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) (XR-3750: AEP)	

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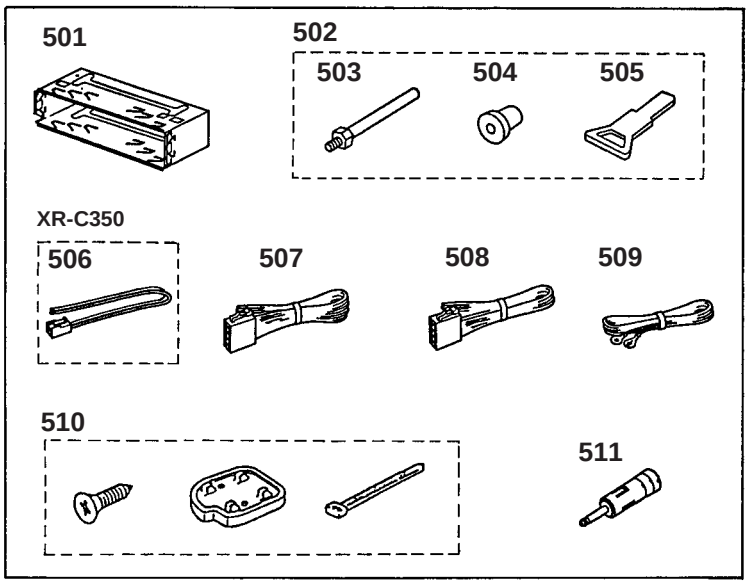
Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
501	3-916-161-31	FRAME ASSY	
502	X-3370-077-1	SCREW ASSY (AE. KEY), FITTING (XR-3750)	
503	3-386-828-01	SCREW, FITTING	
504	3-349-410-01	BUSHING (XR-3750)	
* 504	3-358-697-01	BUSHING (XR-C350)	
505	3-388-078-01	KEY (XR-3750)	
505	3-909-731-01	KEY (XR-C350)	
506	1-777-989-11	CORD (WITH CONNECTOR) (AMP/TEL MUTE) (XR-C350)	
507	1-782-093-11	CORD (WITH CONNECTOR) (SPEAKER)	
508	1-782-092-11	CORD (WITH CONNECTOR) (POWER)	
509	1-775-543-11	CORD, GROUND	
510	X-3369-817-1	BRACKET ASSY (XR-C350)	
511	1-465-459-11	ADAPTOR, ANTENNA